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APPROVED O.G. FIG. 7D
 BY SEP 30 2003
 DR. P. SMAN 713 193
 PATENT & TRADEMARK OFFICE

REPLACEMENT SHEET
 APPLN NO.: 09/698,044

#10

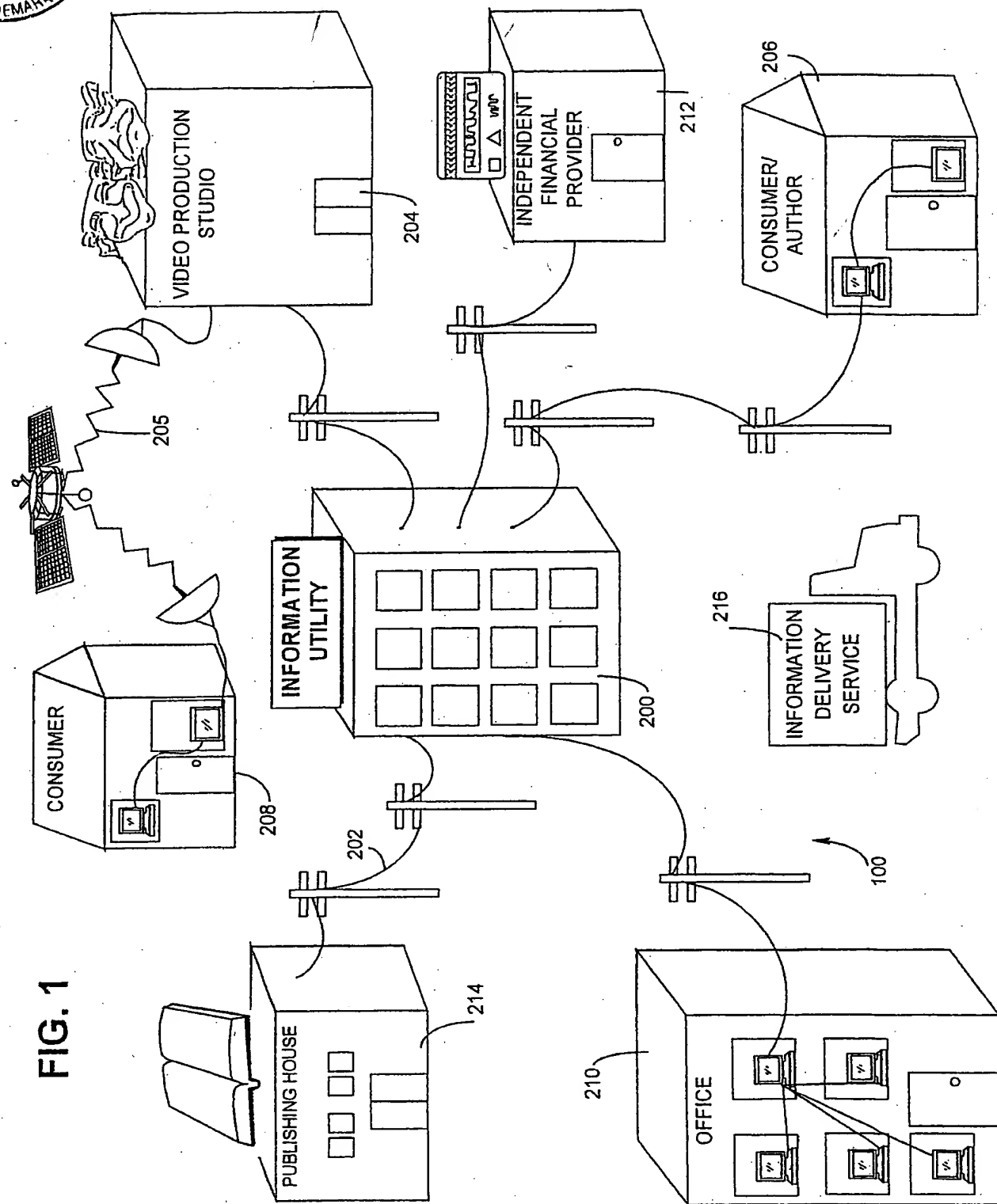


FIG. 1

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FIG. 1A

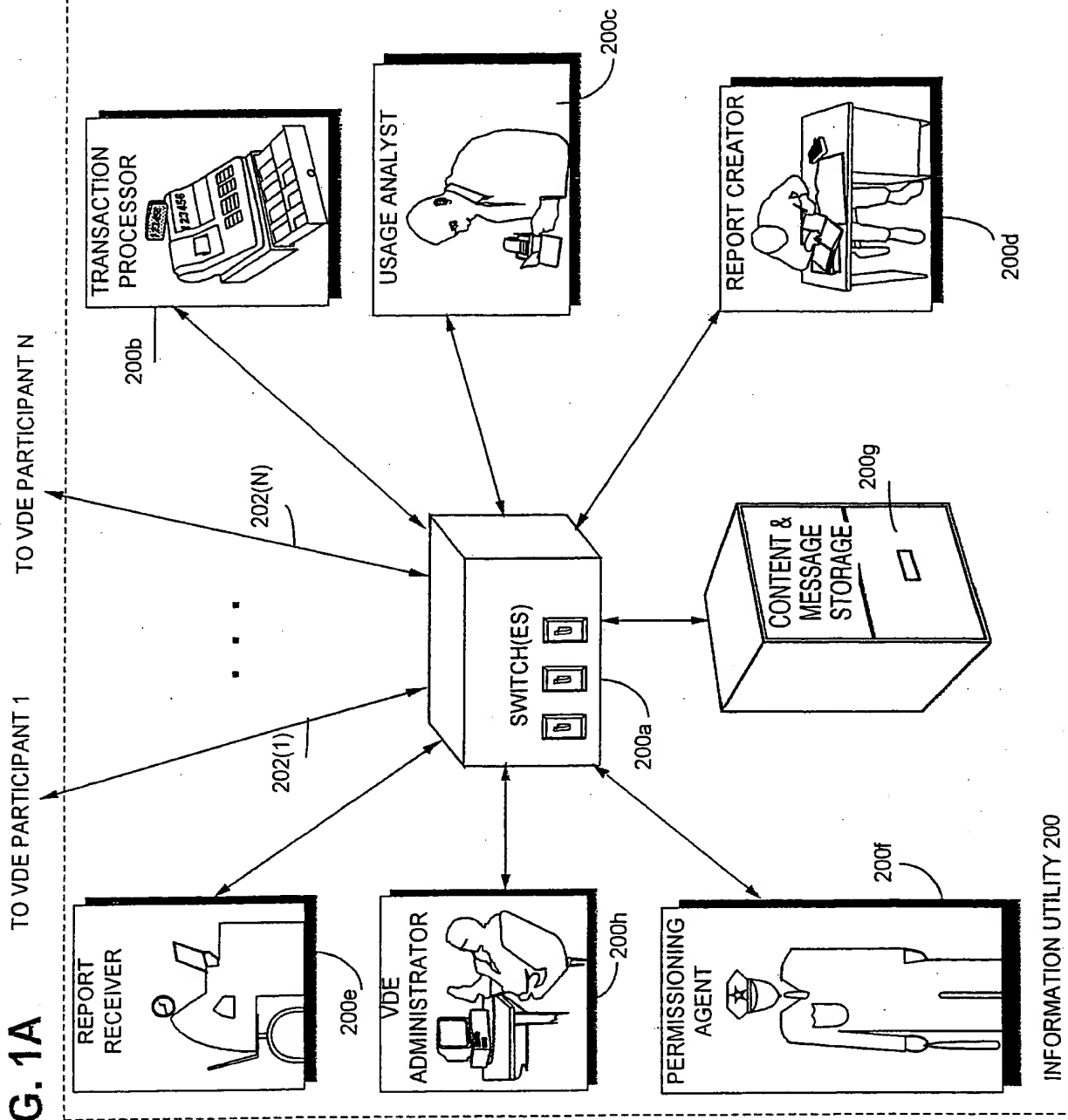




FIG. 2

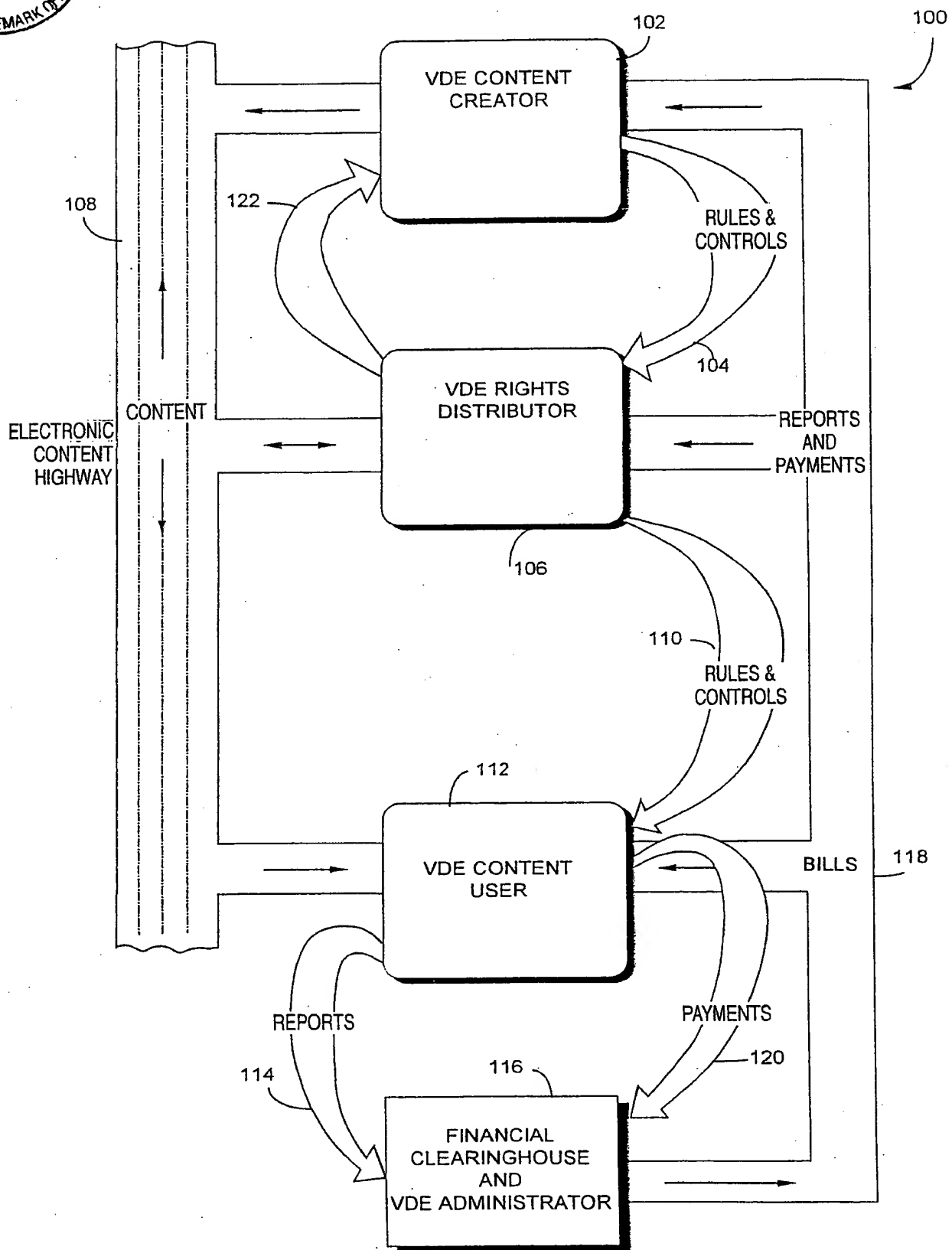




FIG. 2A

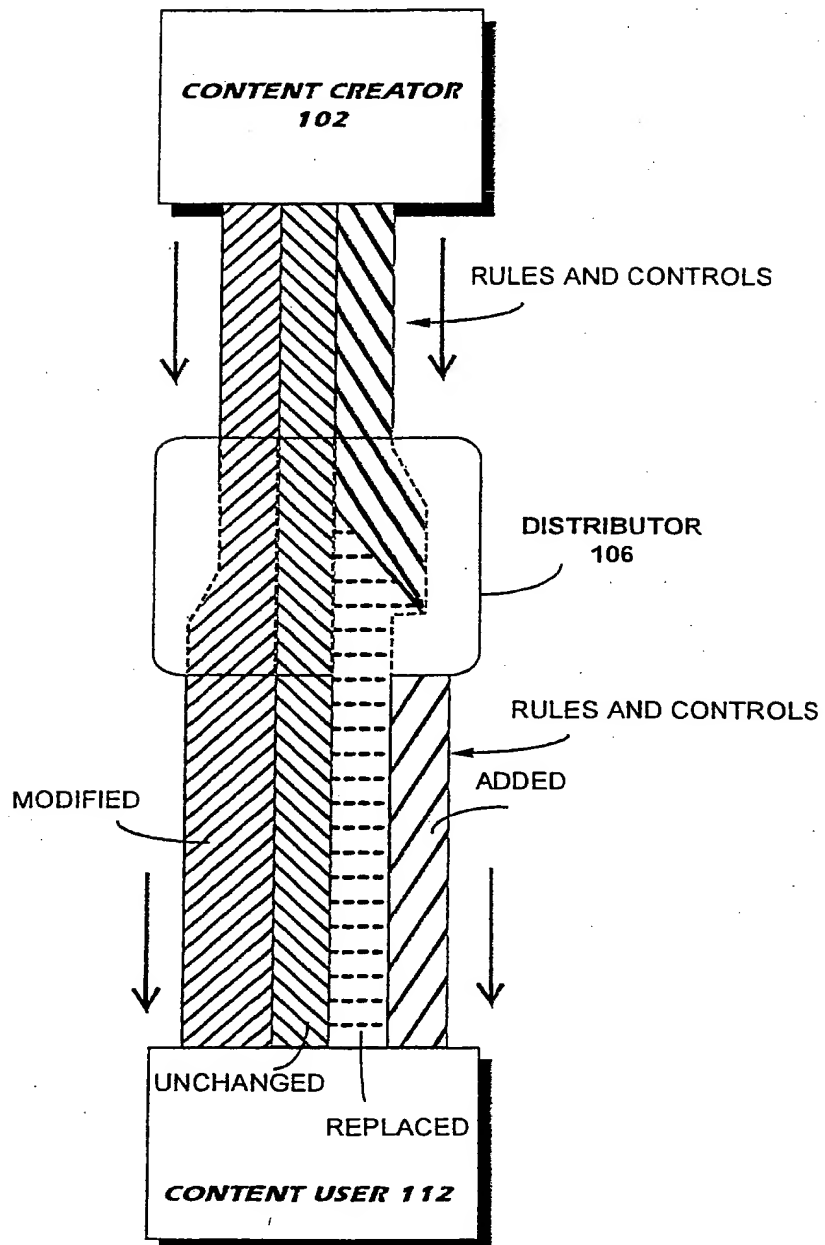
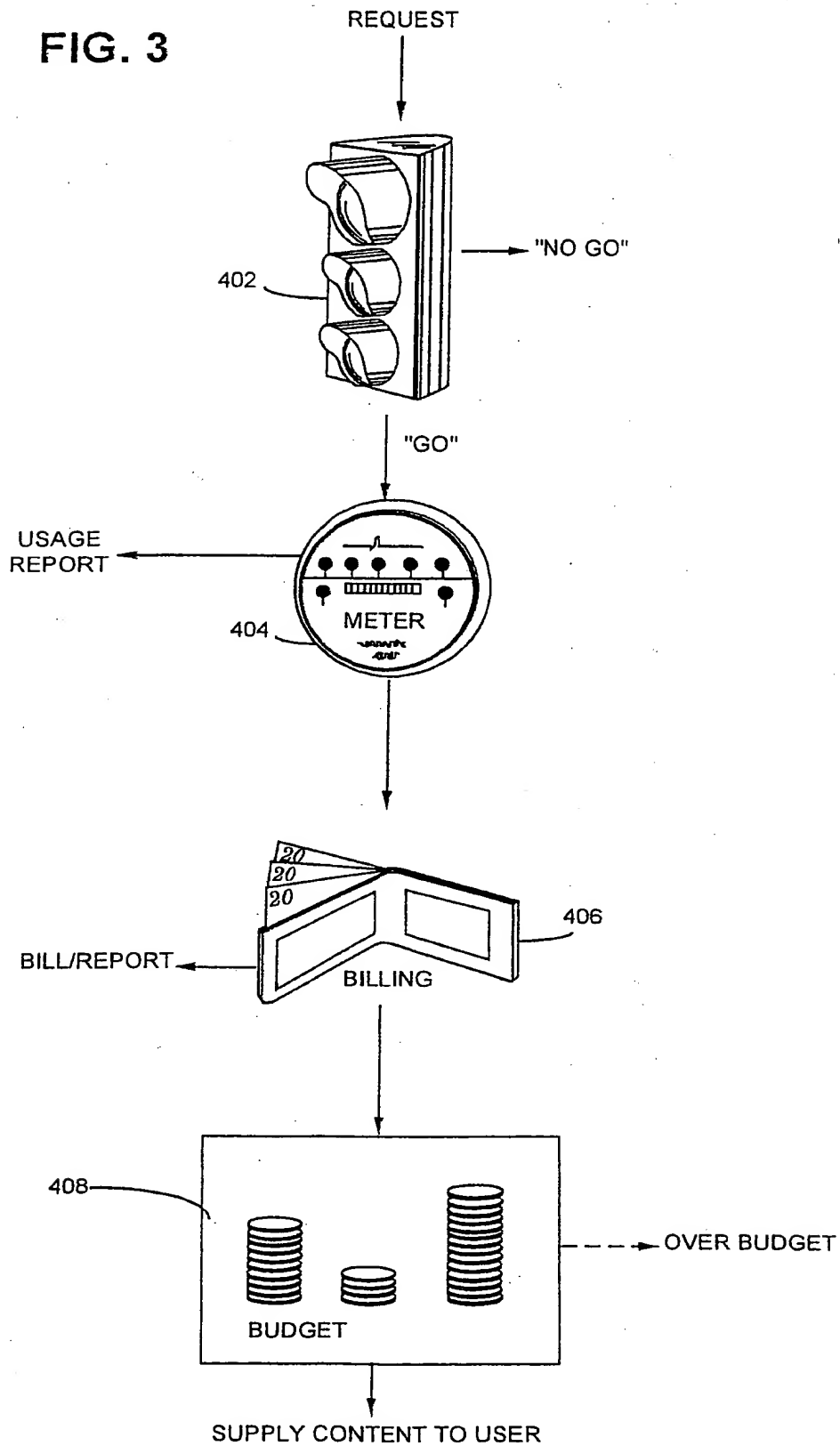




FIG. 3



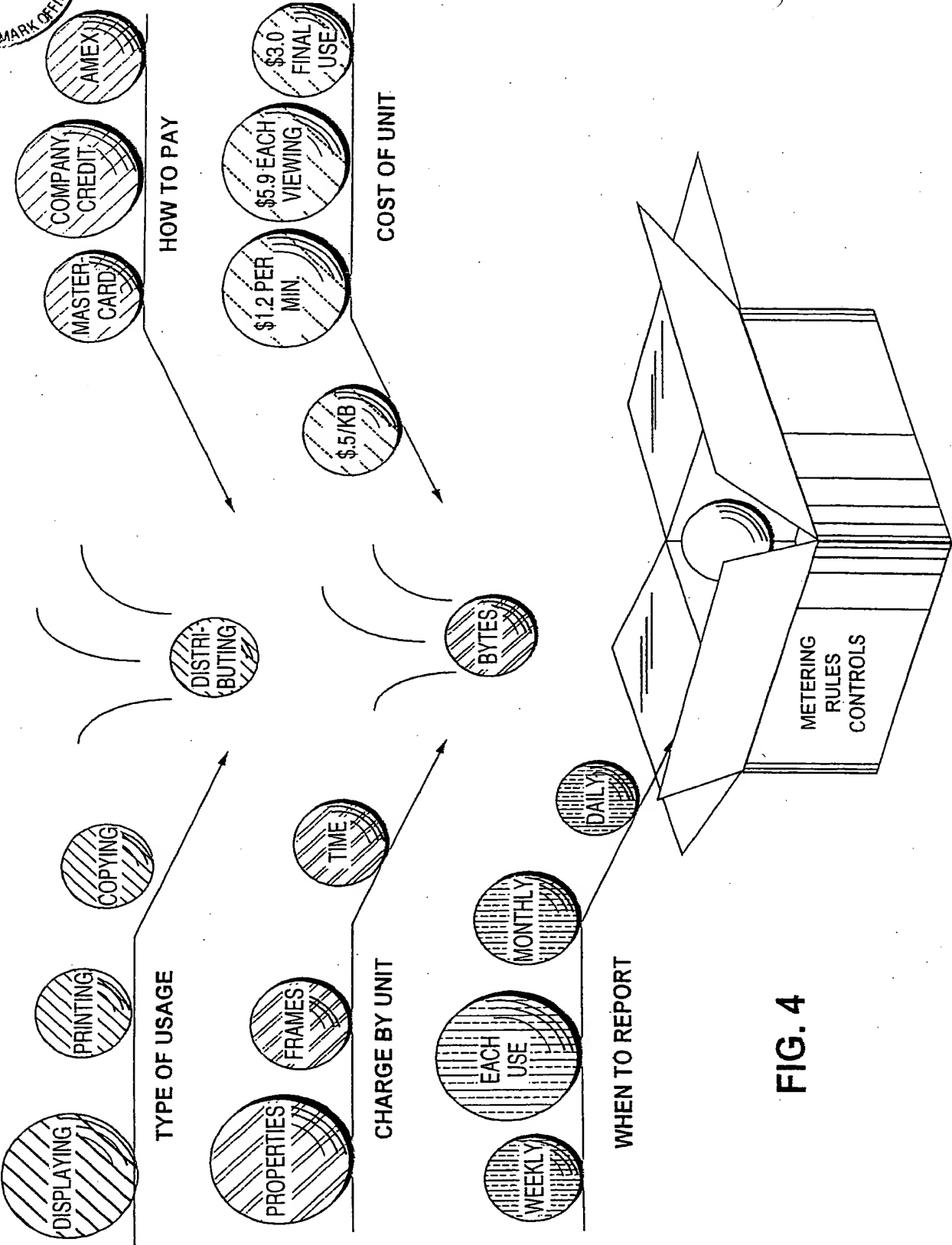


FIG. 4



FIG. 5A

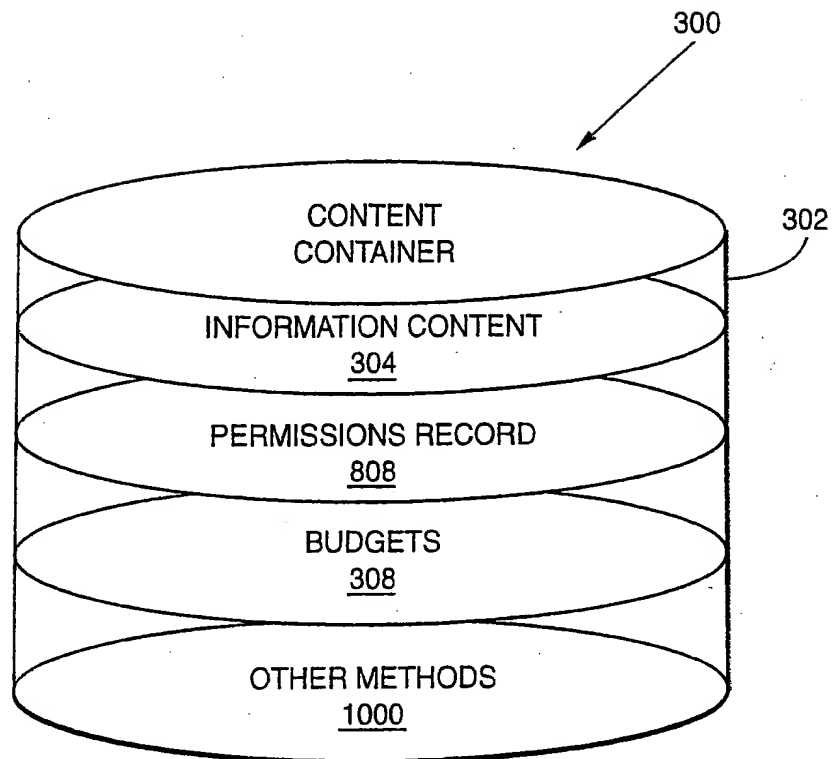
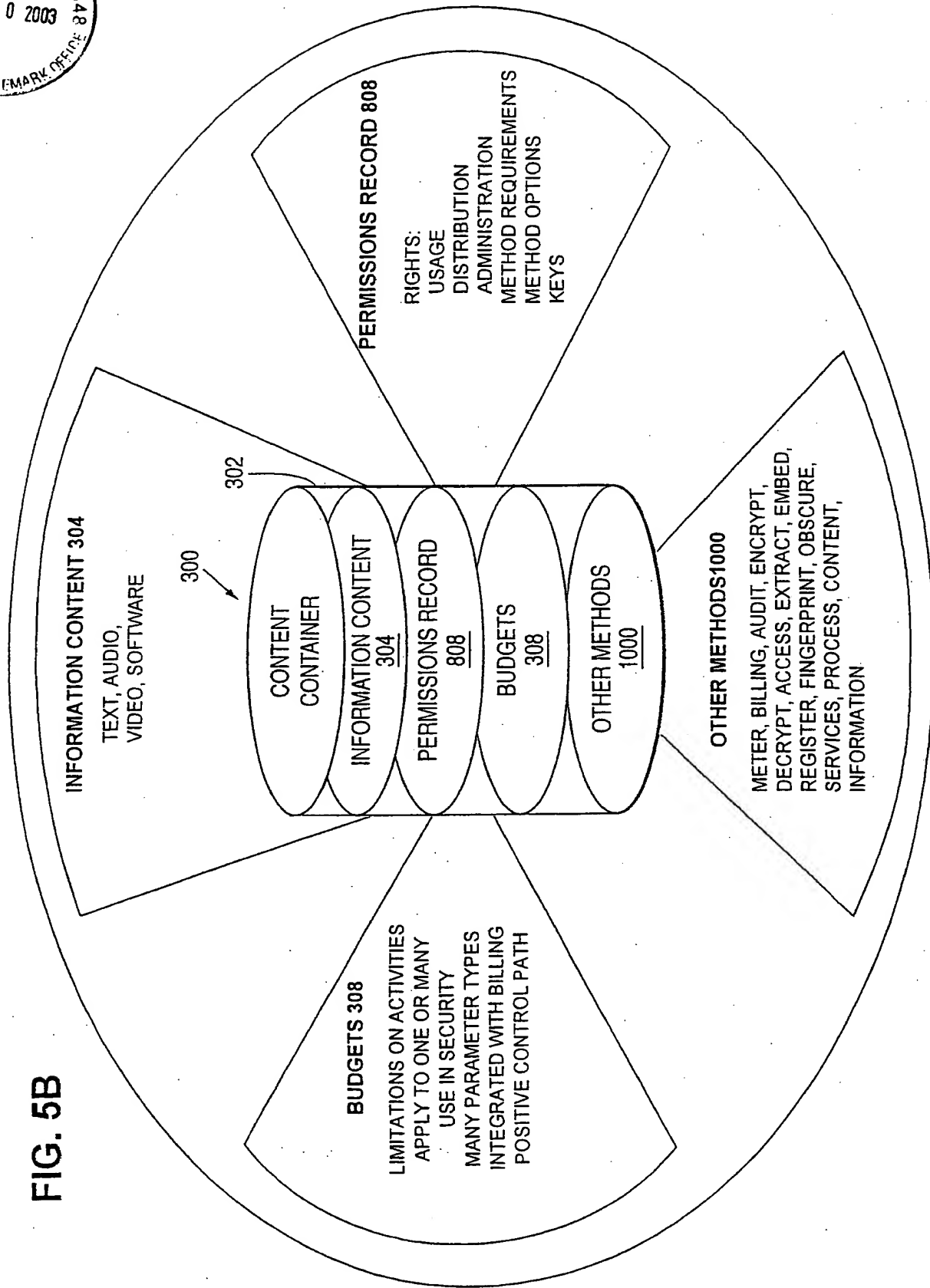




FIG. 5B



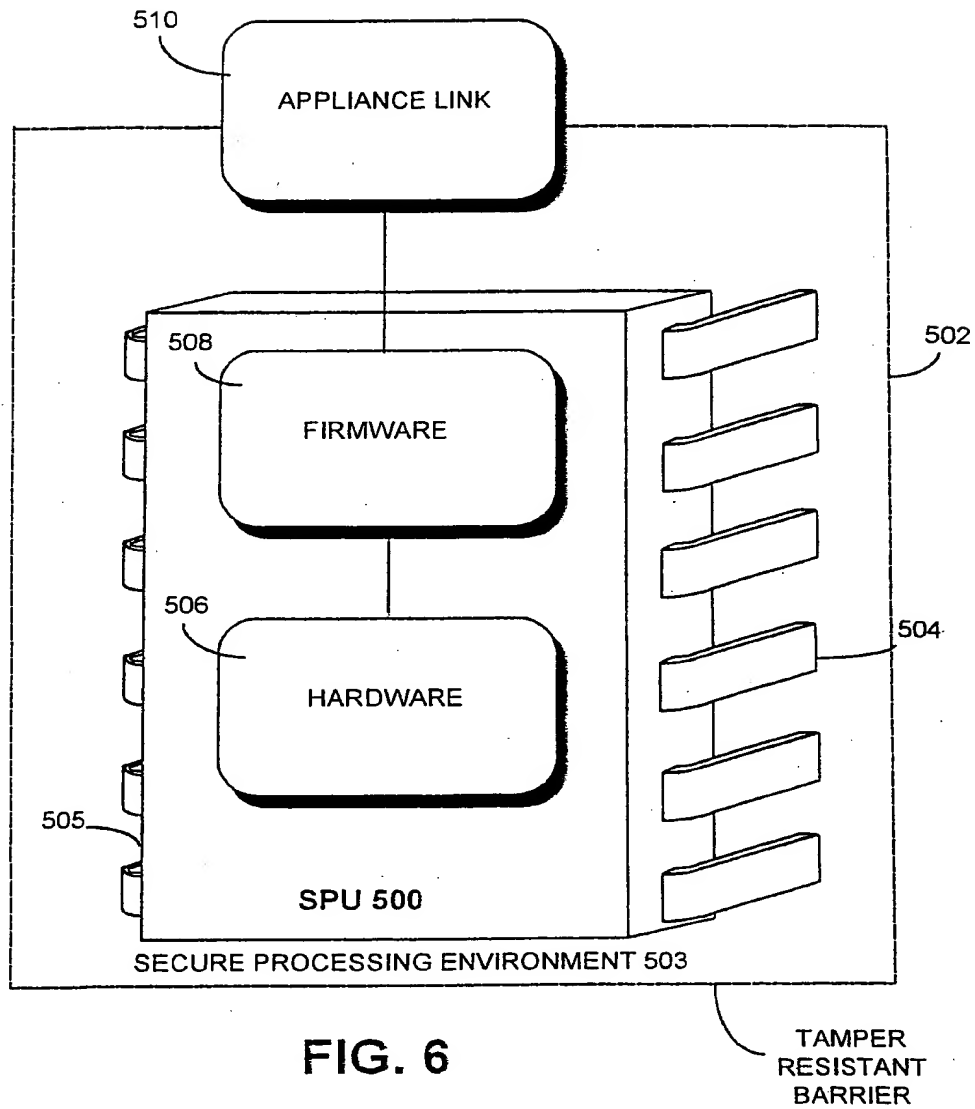




FIG. 7

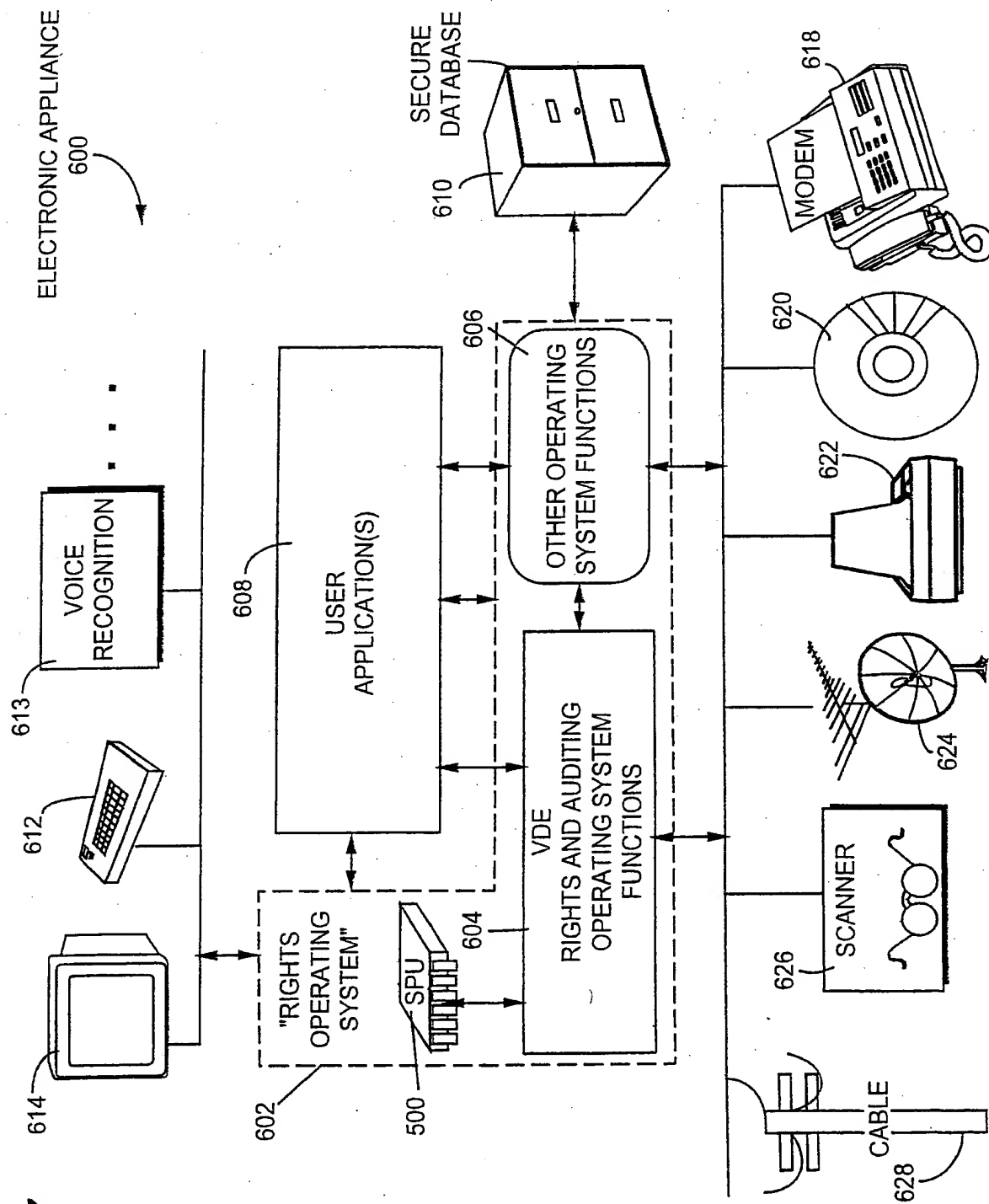
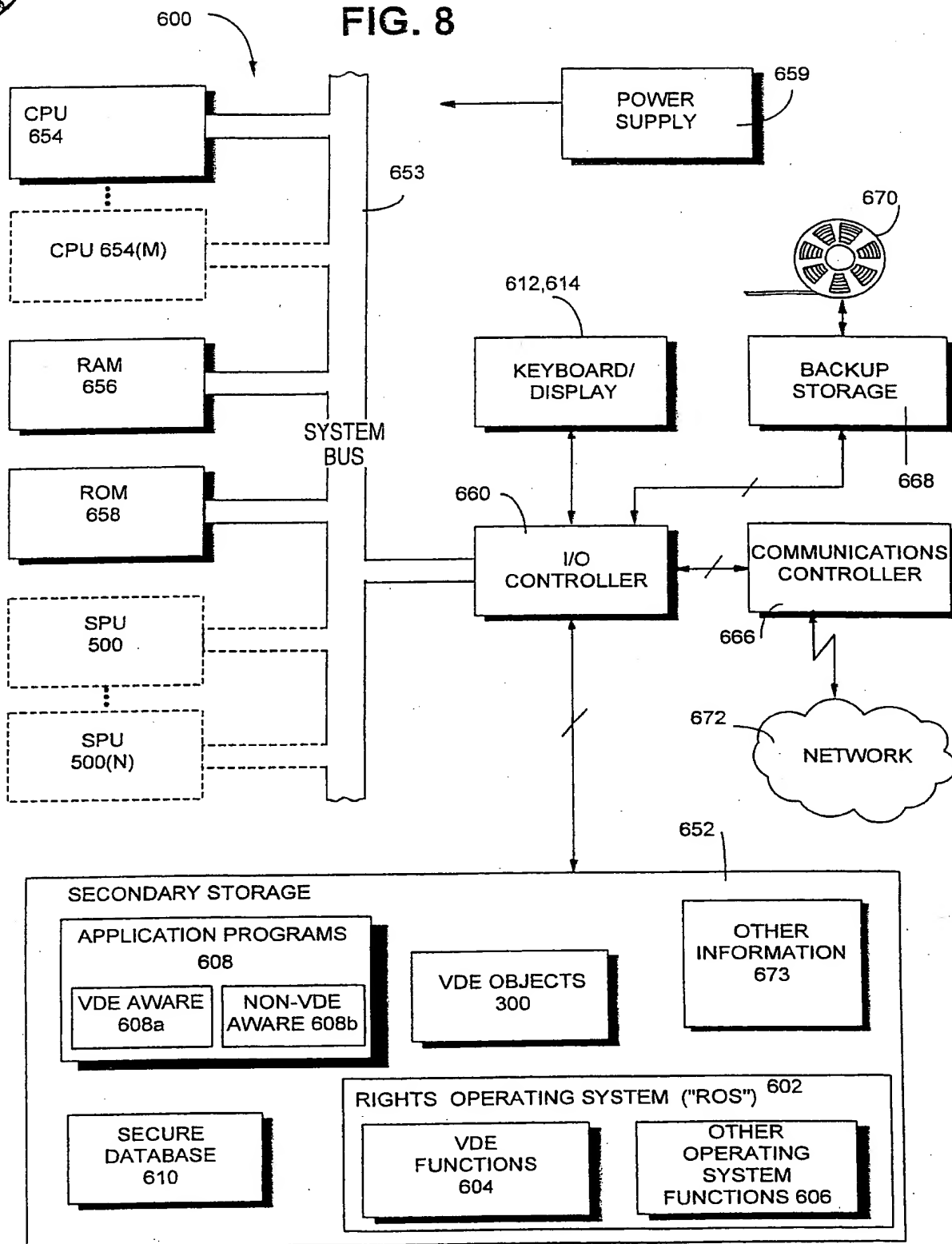




FIG. 8





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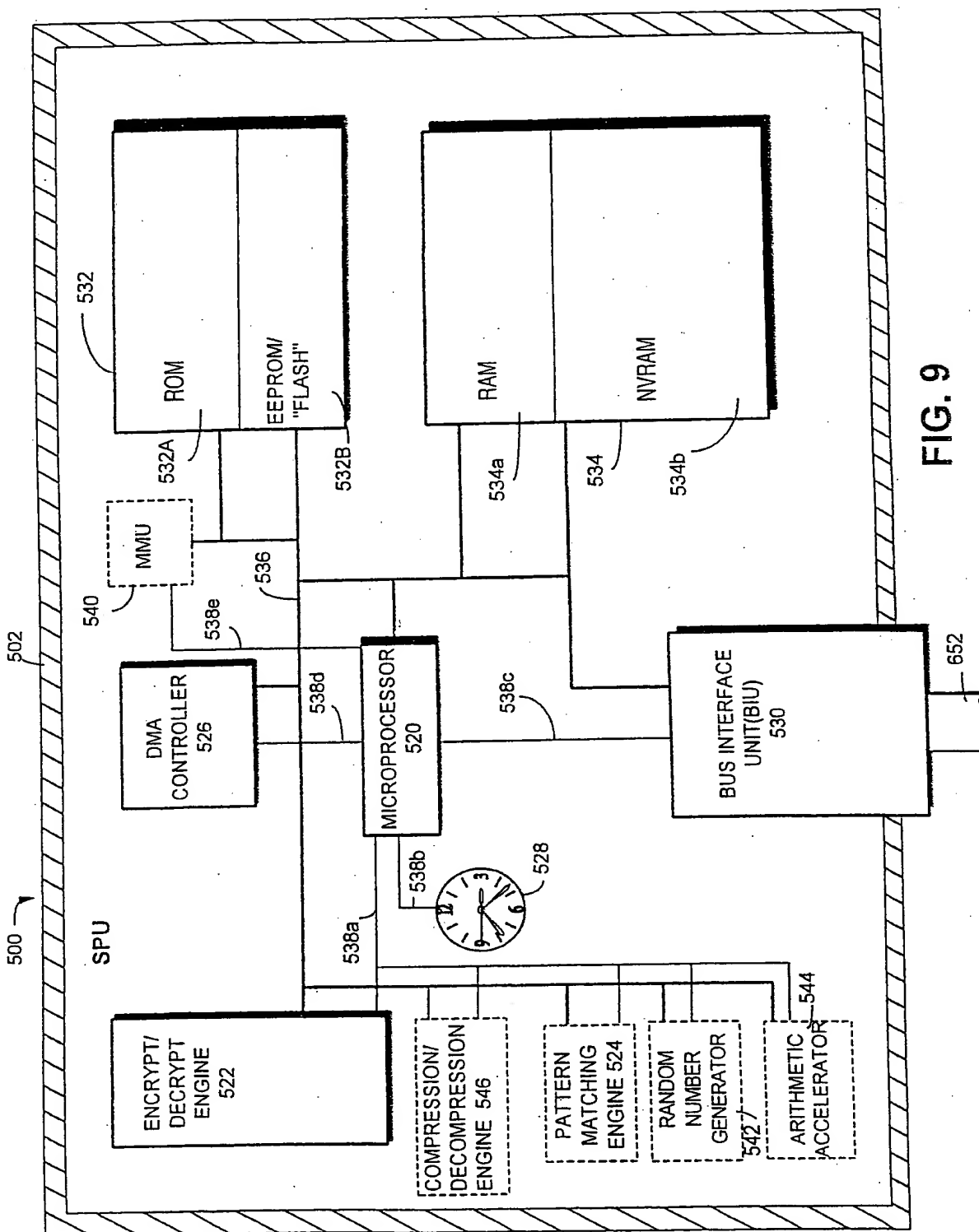


FIG. 9

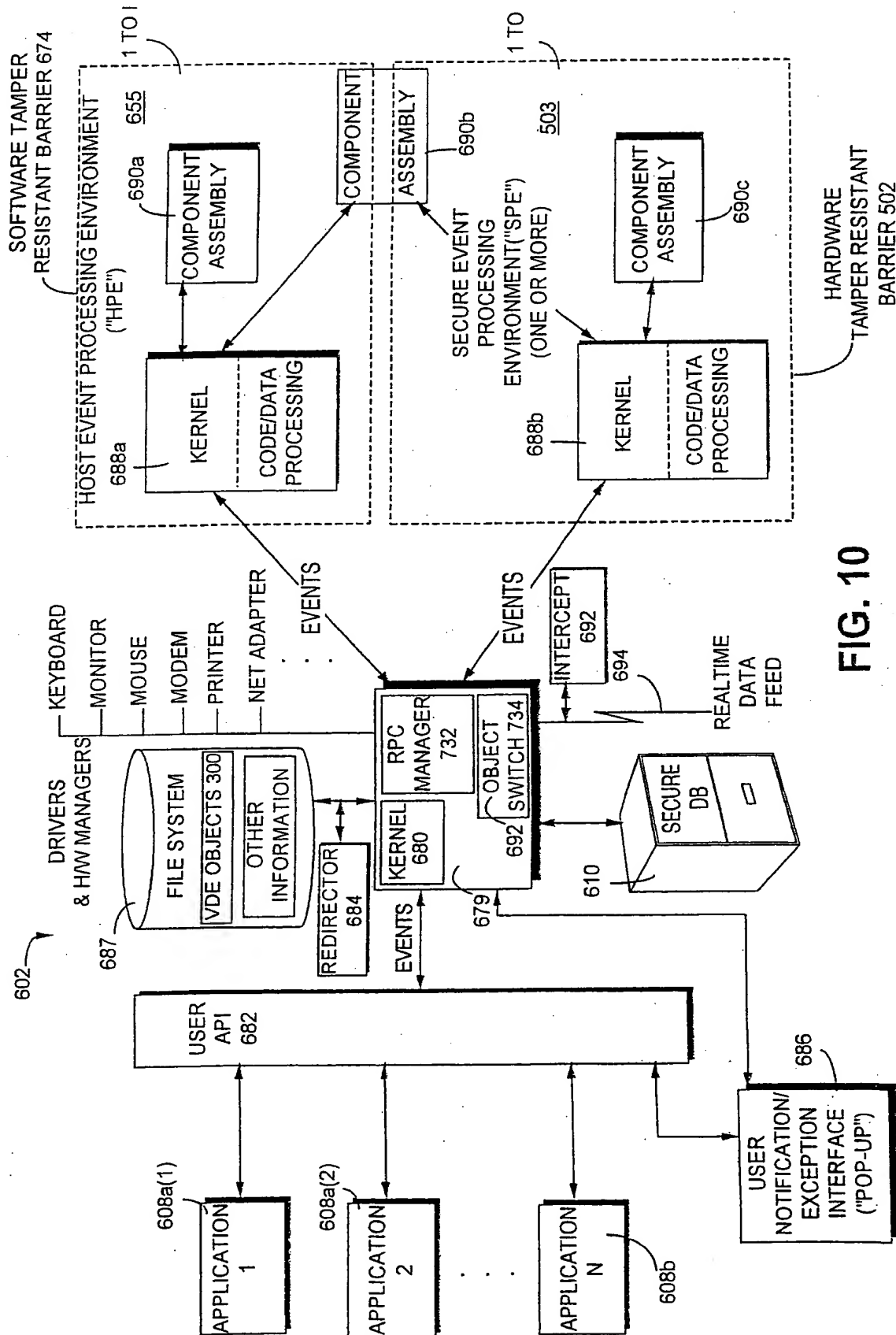


FIG. 10



FIG. 11C

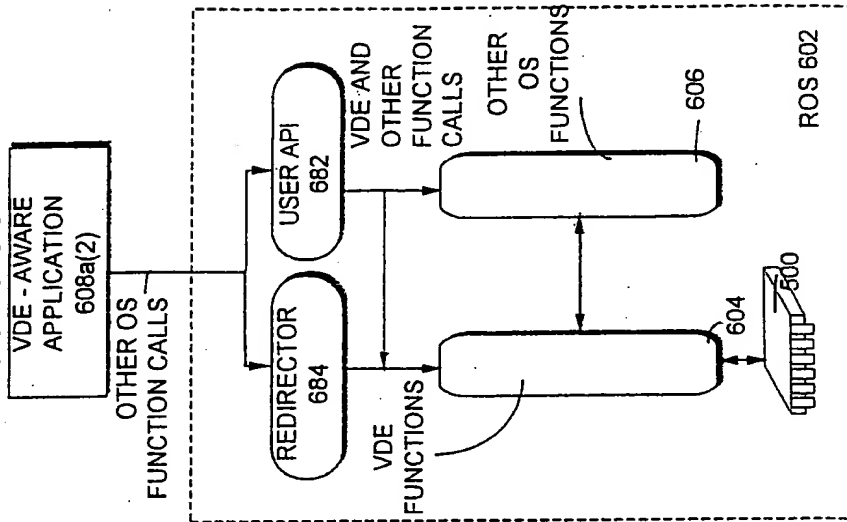


FIG. 11B

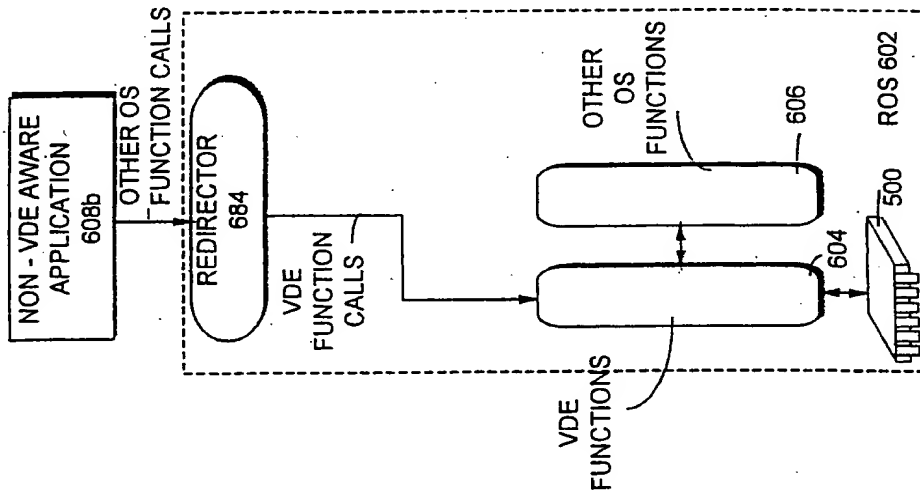
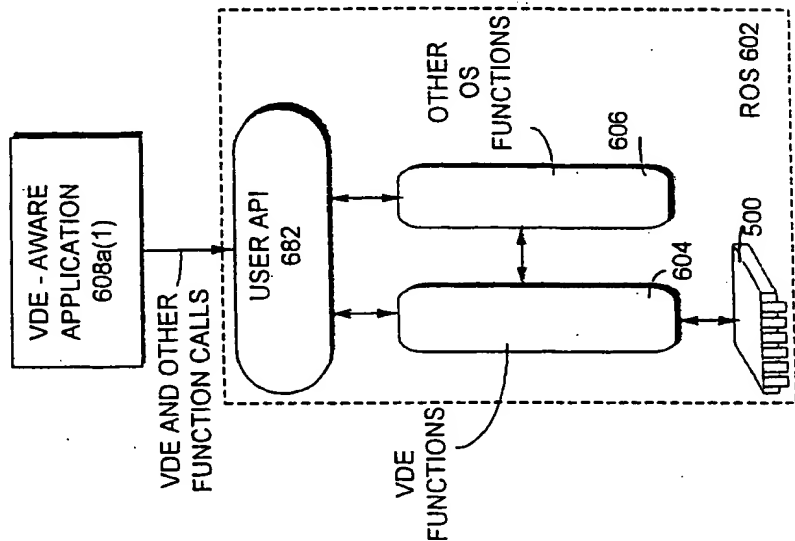


FIG. 11A



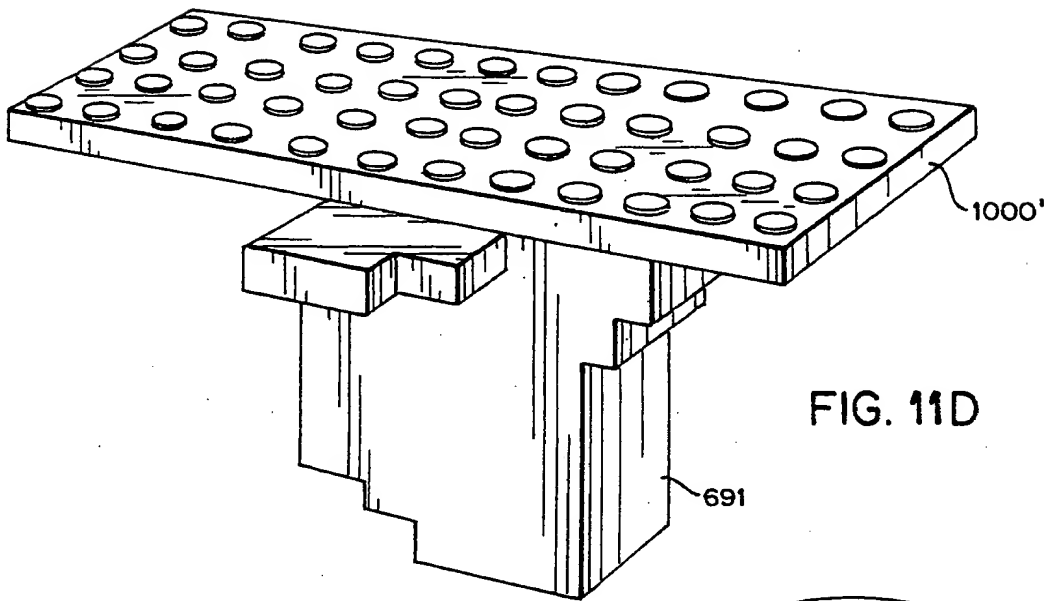


FIG. 11D

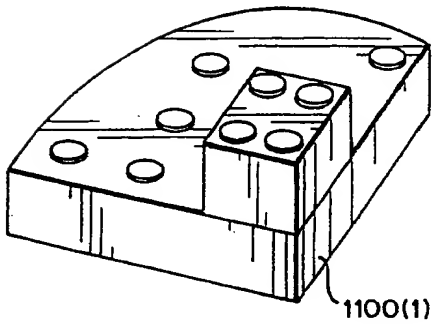


FIG. 11E

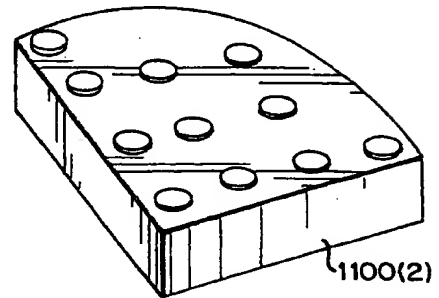


FIG. 11F

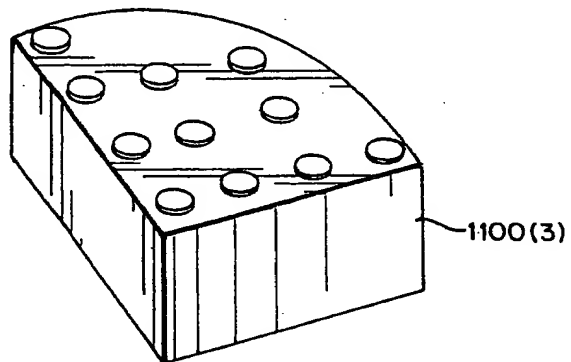


FIG. 11G



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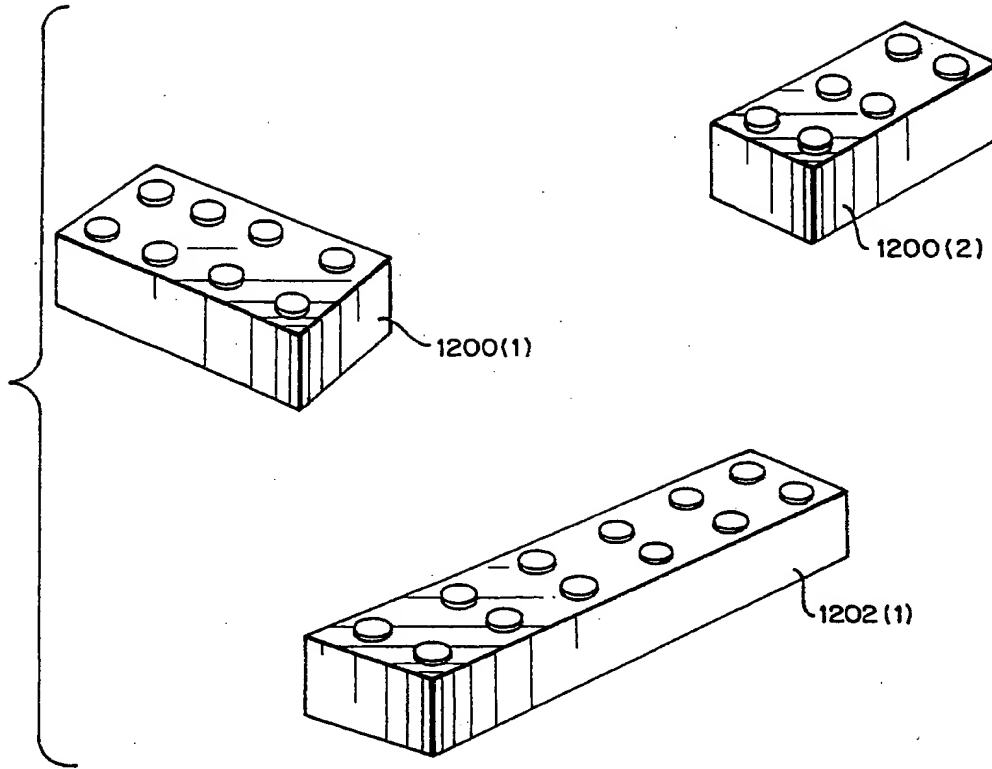
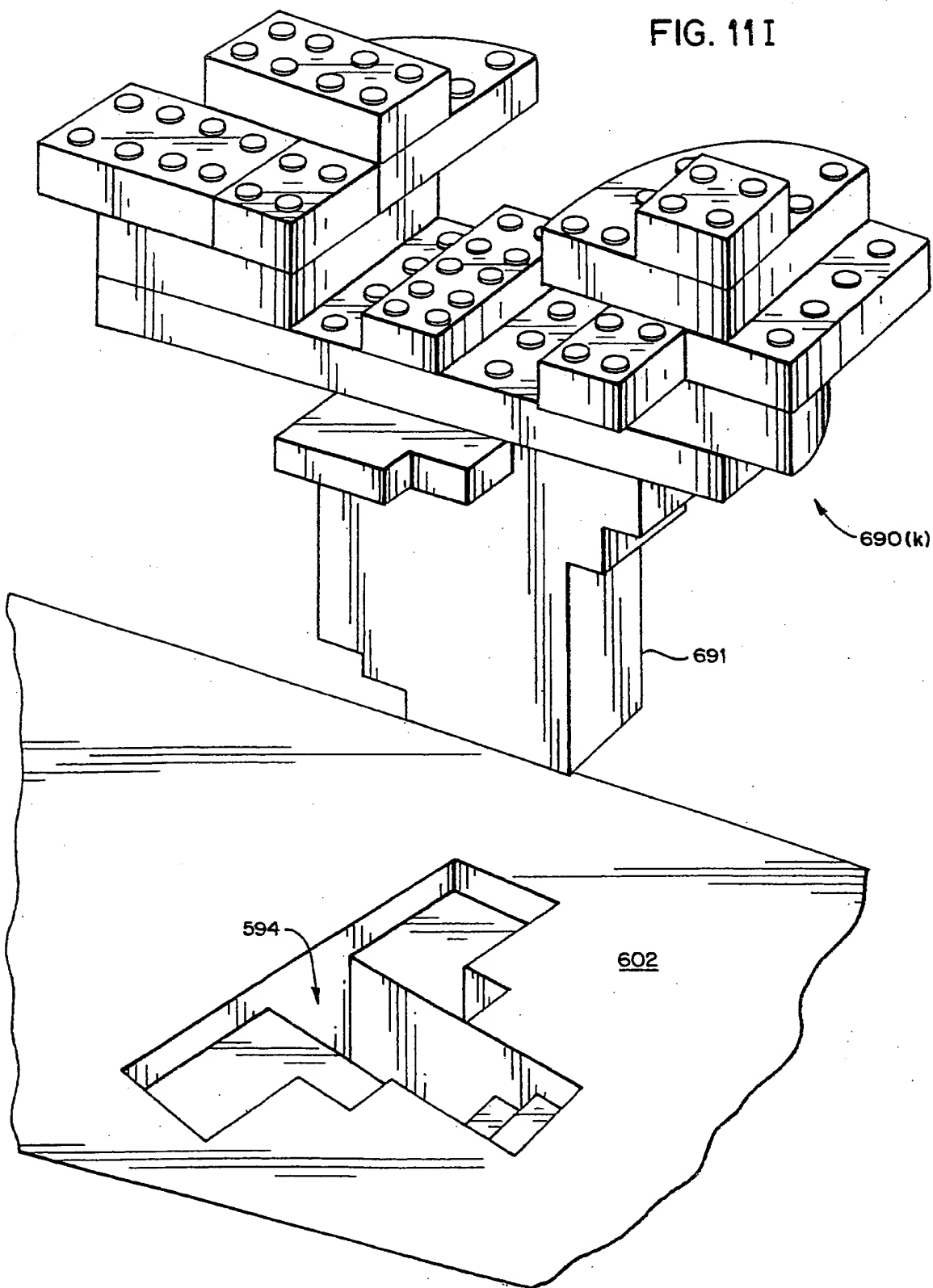


FIG. 11H

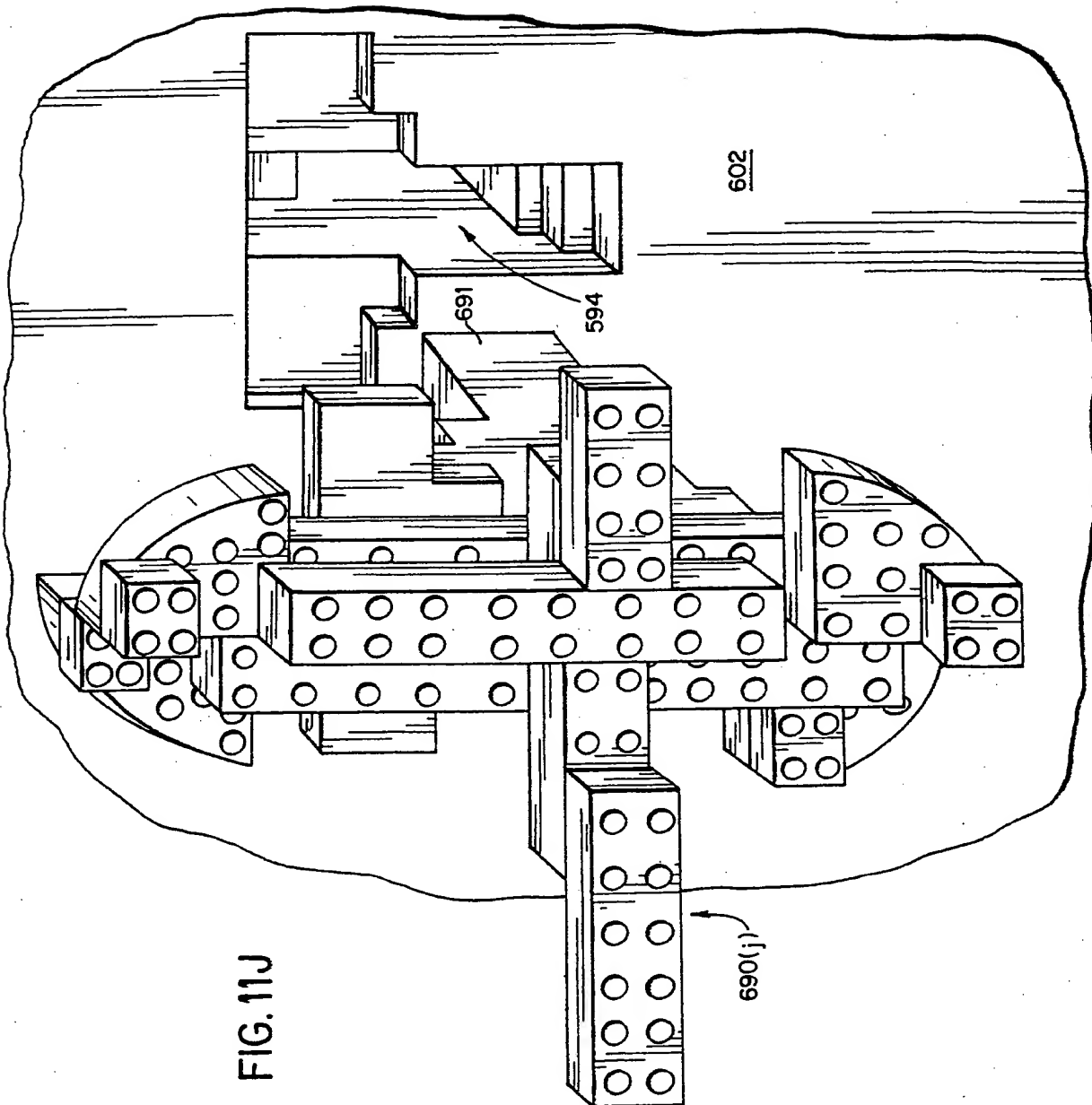


FIG. 11I





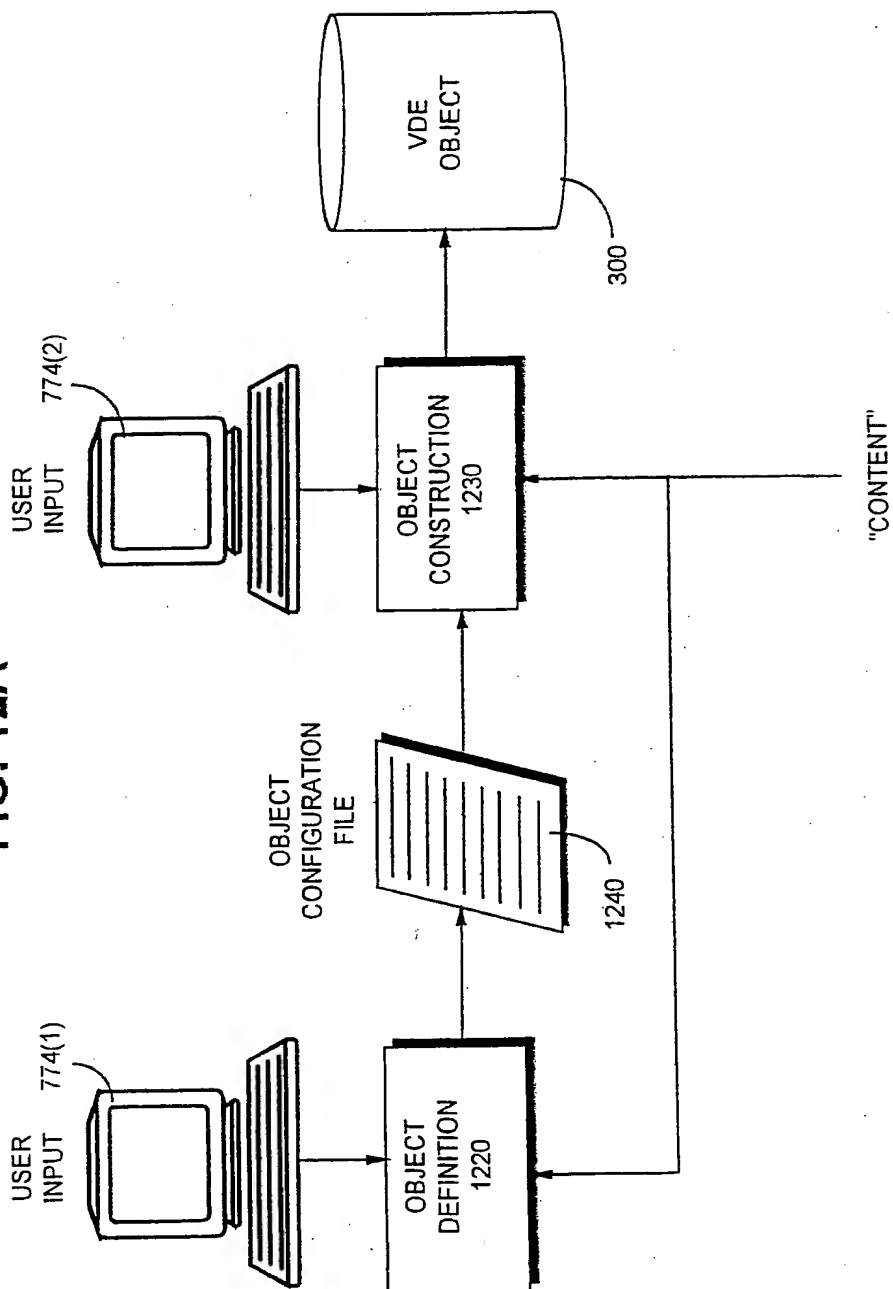
REPLACEMENT SHEET
APPLN NO.: 09/698,044



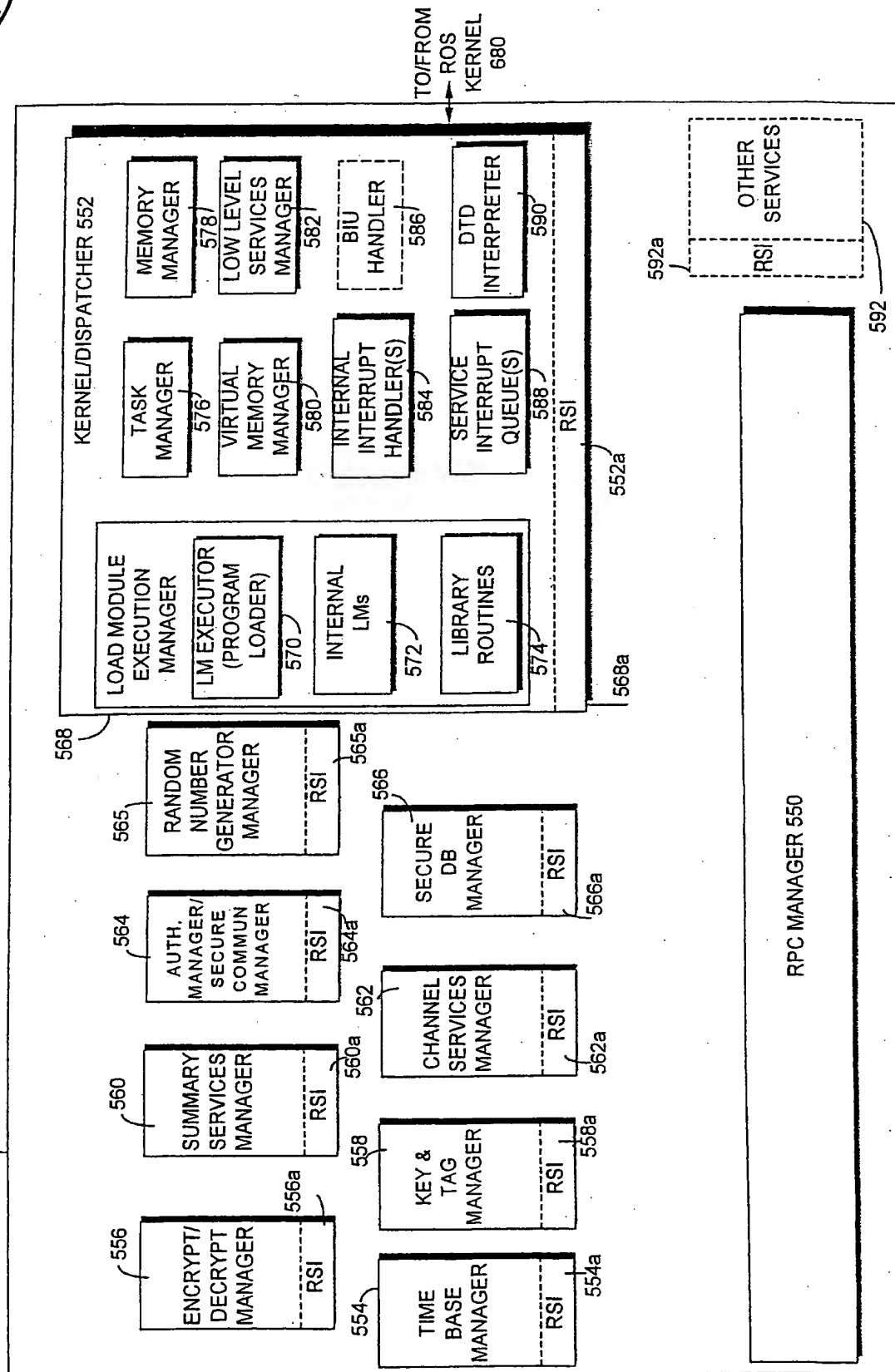
[illegible]



FIG. 12A



503, 655





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FIG. 14A

DEVICE FIRM WIRE LOW LEVEL SERVICES 582	TIME BASE MANAGER 554
INITIALIZATION	ENCRYPTION/DECRYPTION MANAGER 556
POST	PK
DOWNLOAD CHALLENGE/RESPONSE AND AUTHENTICATION	BULK
RECOVERY	KEY AND TAG MANAGER 558
EEPROM/FLASH MEMORY MANAGER	KEY STORAGE IN EEPROM
KERNEL/DISPATCHER 552	KEY LOCATOR
INITIALIZATION	KEY GENERATOR
TASK MANAGER 576 (SLEEP/AWAKE/CONTEXT SWAP)	CONVOLUTION ALGORITHM
INTERRUPT HANDLER 584 (TIMER/BIU/POWER FAIL/WATCHDOG TIMER/ENCRYPTION COMPLETED)	SUMMARY SERVICES MANAGER 560
BIU HANDLER 586	EVENT SUMMARIES
MEMORY MANAGER 578	BUDGET SUMMARIES
INITIALIZATION (SETTING MMU TABLES)	DISTRIBUTER SUMMARY SERVICES
ALLOCATE	CHANNEL SERVICES MANAGER 562
DEALLOCATE	CHANNEL HEADERS
VIRTUAL MEMORY MANAGER 580	CHANNEL DETAILS
SWAP BLOCK PAGING	LOAD MODULE EXECUTION SERVICES 568
EXTERNAL MODULE PAGING	AUTHENTICATION MANAGER/SECURE COMMUNICATION MANAGER 564
MEMORY COMPRESS	DATABASE MANAGER 566
RPC AND TABLES 550	MANAGEMENT FILE SUPPORT
INITIALIZATION	TRANSACTION AND SEQUENCE NUMBER SUPPORT
MESSAGING CODE /SERVICES MANAGER	SRN/ HASH
SEND/RECEIVE	DTD INTERPRETER 590
STATUS	LIBRARY ROUTINES 574
RPC DISPATCH TABLE	I/O CALLS (STRING SEARCH ETC.)
RPC SERVICE TABLE	MISC. ITEMS THAT ARE PROBABLY LIBRARY ROUTINES
	TAG CHECKING, MD5, CRC'S
	INTERNAL LM'S 572 FOR BASIC METHODS
	METER LOAD MODULE(S)
	BILLING LOAD MODULE(S)
	BUDGET LOAD MODULE(S)
	AUDIT LOAD MODULE(S)
	READ OBJECT LOAD MODULE(S)
	WRITE OBJECT LOAD MODULE(S)
	OPEN OBJECT LOAD MODULE(S)
	CLOSE OBJECT LOAD MODULE(S)



FIG. 14B

⋮

PUBLIC KEY AND PRIVATE KEY, SYSTEM ID, AUTHENTICATION CERTIFICATE, VDE SYSTEM PUBLIC KEY, PRIVATE DES KEY
TOP LEVEL KEYS FOR OBJECTS
TOP LEVEL BUDGET INFO
METER SUMMATION VALUES
KEY RECORDS FOR BUDGET RECORDS, AUDIT RECORDS, STATIC MANAGEMENT RECORDS, UPDATED MANAGEMENT RECORDS, ETC.
⋮
DEVICE DATA TABLE
SITE ID
TIME
ALARMS
TRANSACTION/SEQUENCE #'S
MISCELLANEOUS
MEMORY MAP
MAP METERS
LM/UDT TABLE
TASK MANAGER 576
CHANNEL(S)
SUMMARY SERVICES 560
SECURE DATABASE TAGS
SRN ENTRIES
HASH ENTRIES

⋮



FIG. 14C

STACK	
CHANNEL SWAP BLOCK	CHANNEL LM
	CHANNEL HEADER & D1
CONTROL SWAP BLOCK	CONTROL LM
	CONTROL D1
	COMMIT LM
	COMMIT D1, D2, D3
EVENT SWAP BLOCK	EVENT LM
	MAP TABLE (SINGLE) D1
METER SWAP BLOCK	METER LM
	METER UDE DELTA,DELTA'
	METER TRAIL LM
	METER TRAIL UDE DELTA,DELTA'
BUDGET SWAP BLOCK	METER LM
	METER UDE DELTA,DELTA'
	METER TRAIL LM
	METER TRAIL UDE DELTA,DELTA'
BILLING SWAP BLOCK	BILLING LM
	METER UDE
	BUDGET UDE
	BILLING TABLE UDE
	BILLING TRAIL LM
	BILLING TRAIL UDE DELTA'

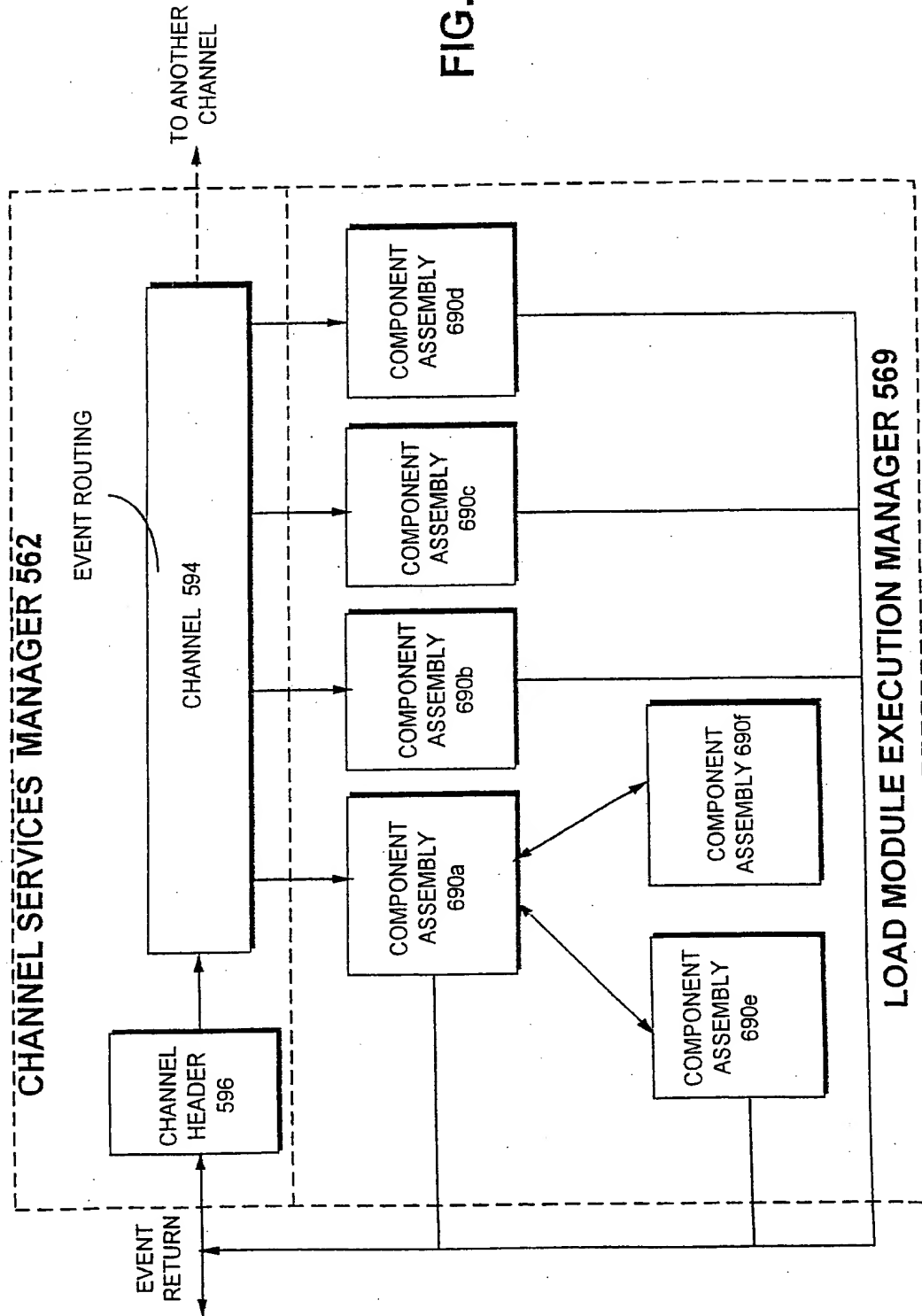




FIG. 15A

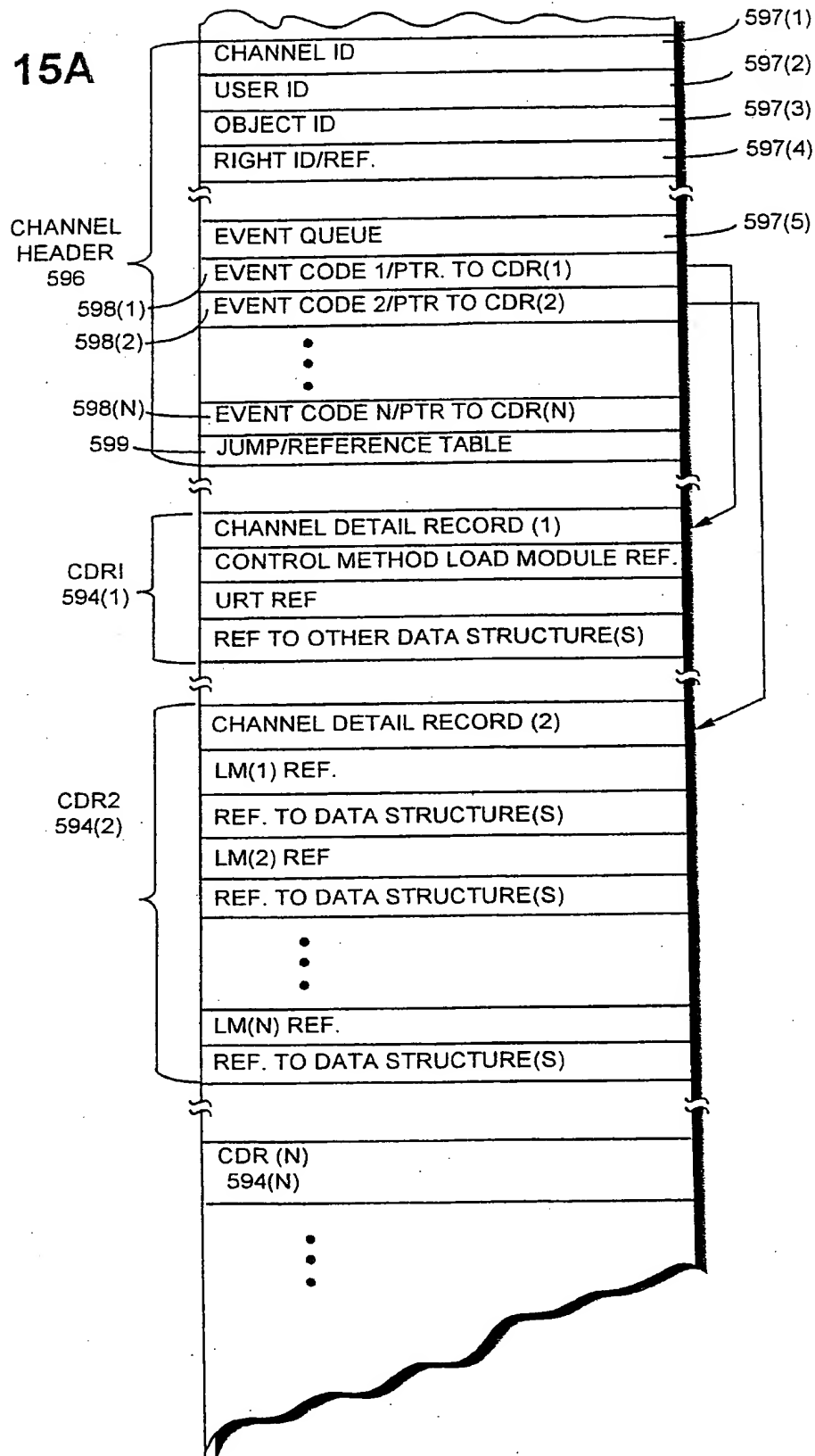
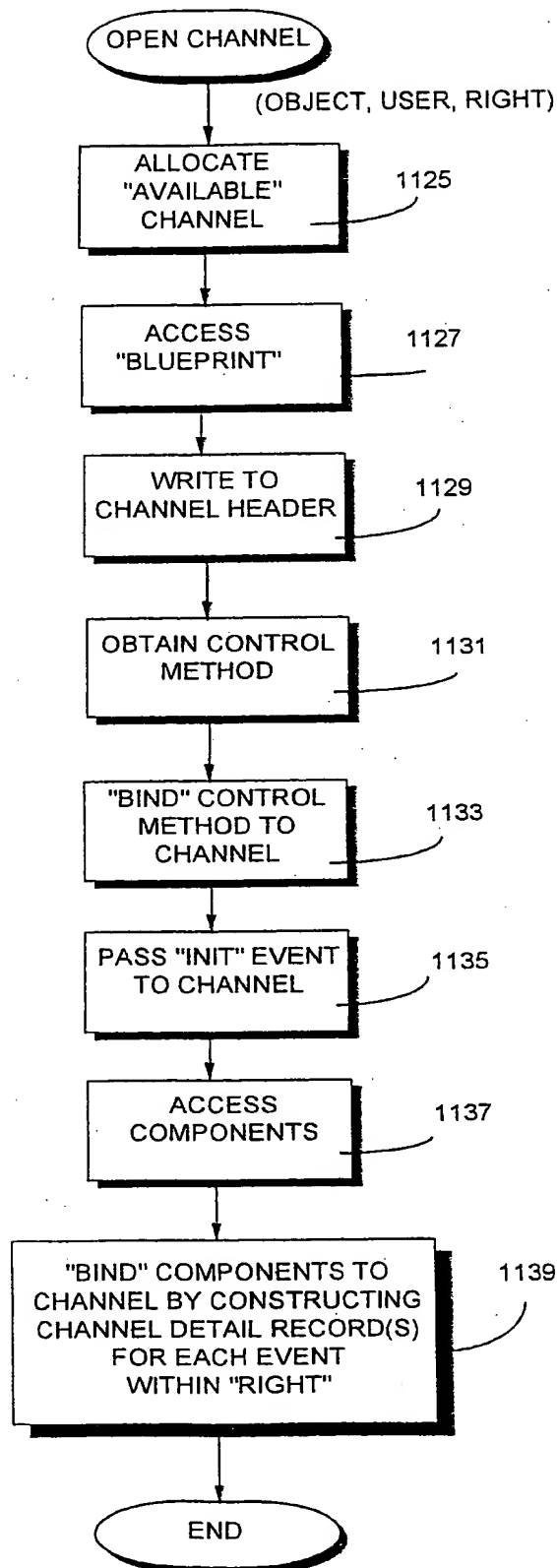




FIG. 15B



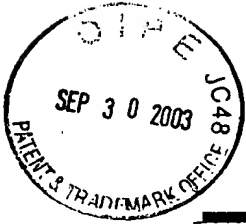
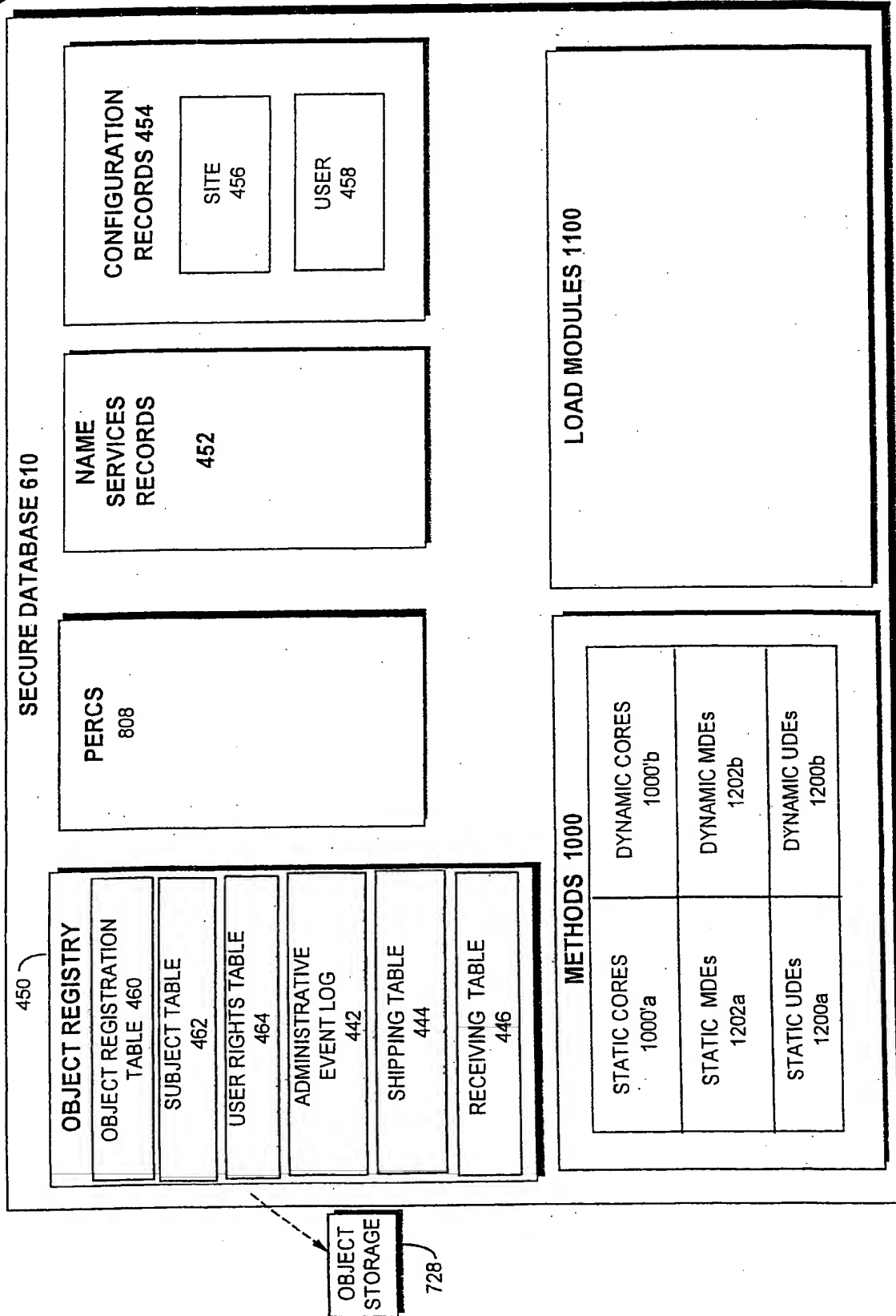


FIG. 16



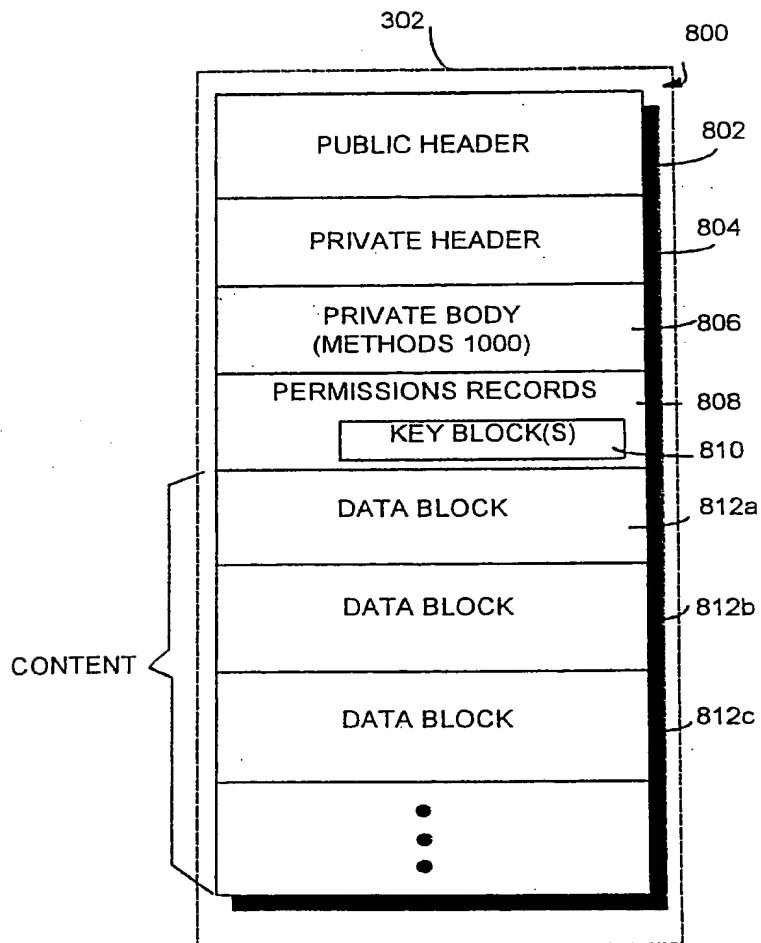


FIG. 17

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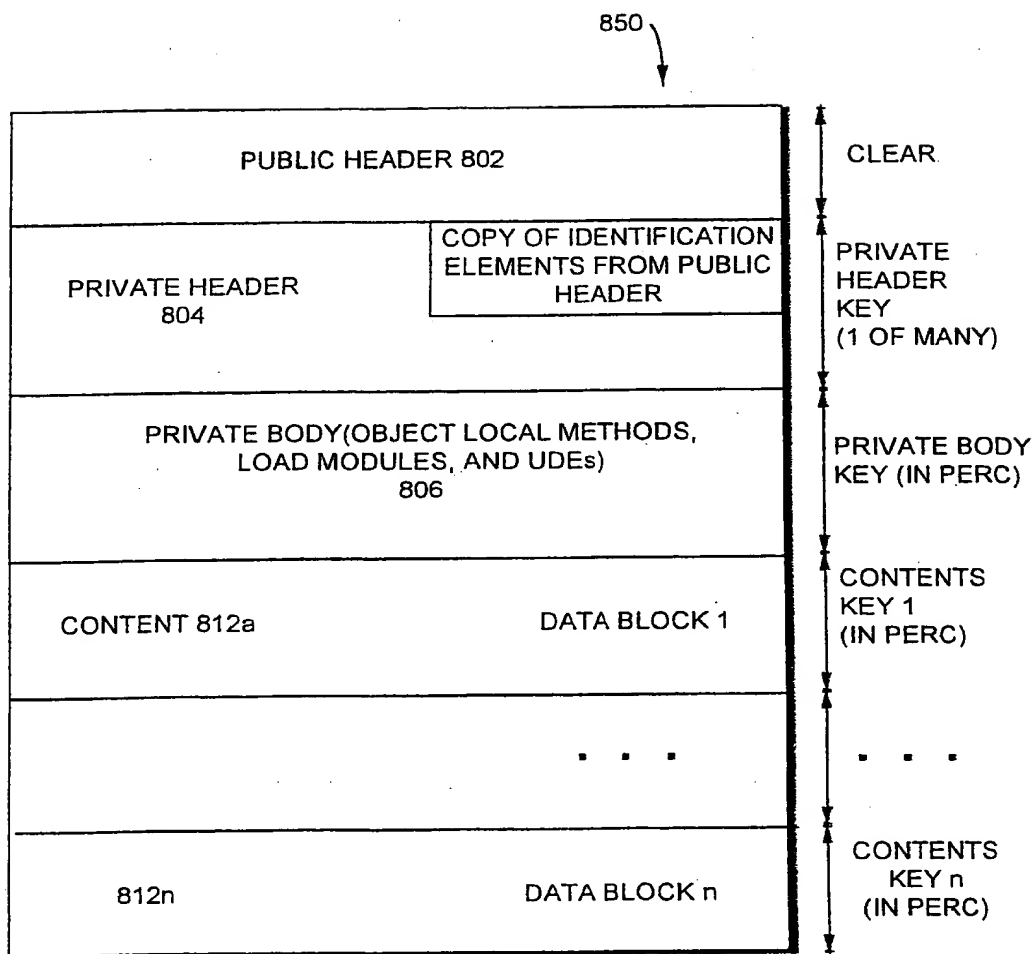


FIG. 18

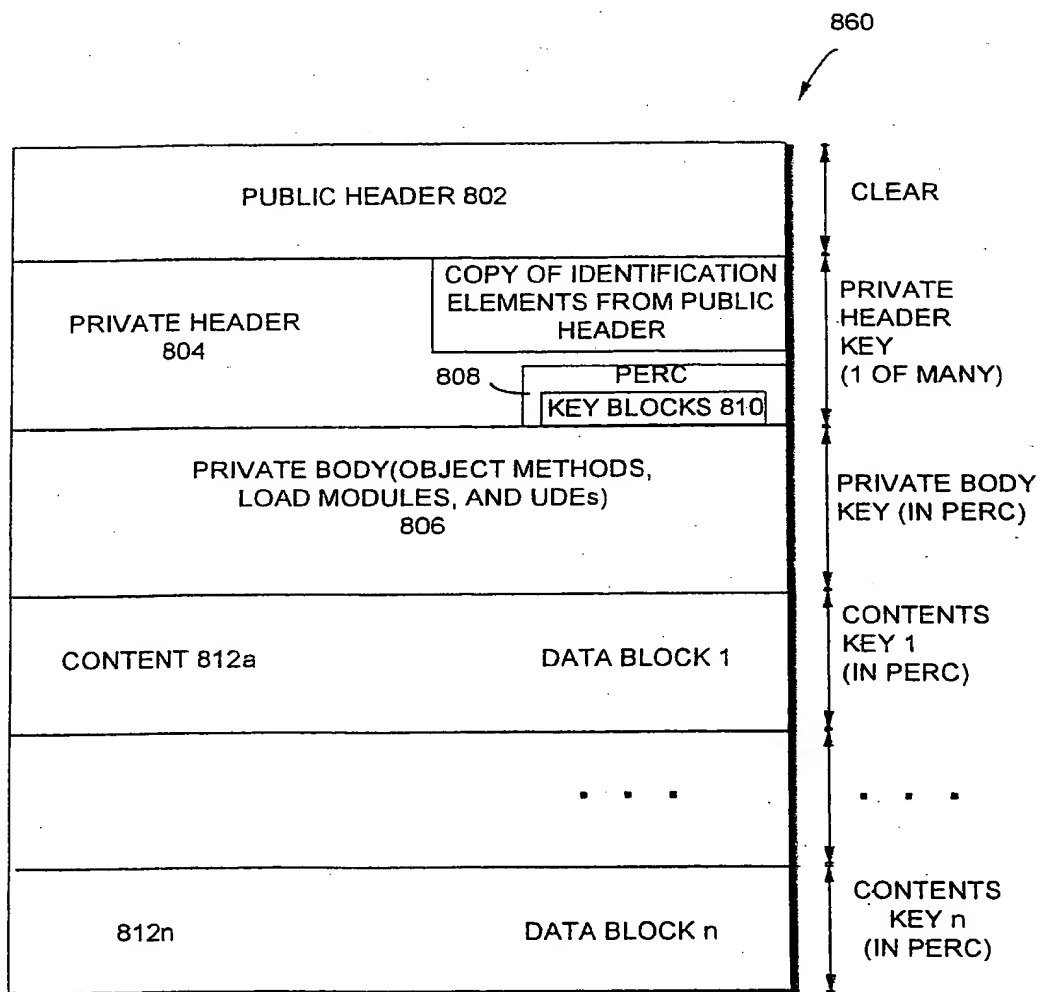


FIG. 19

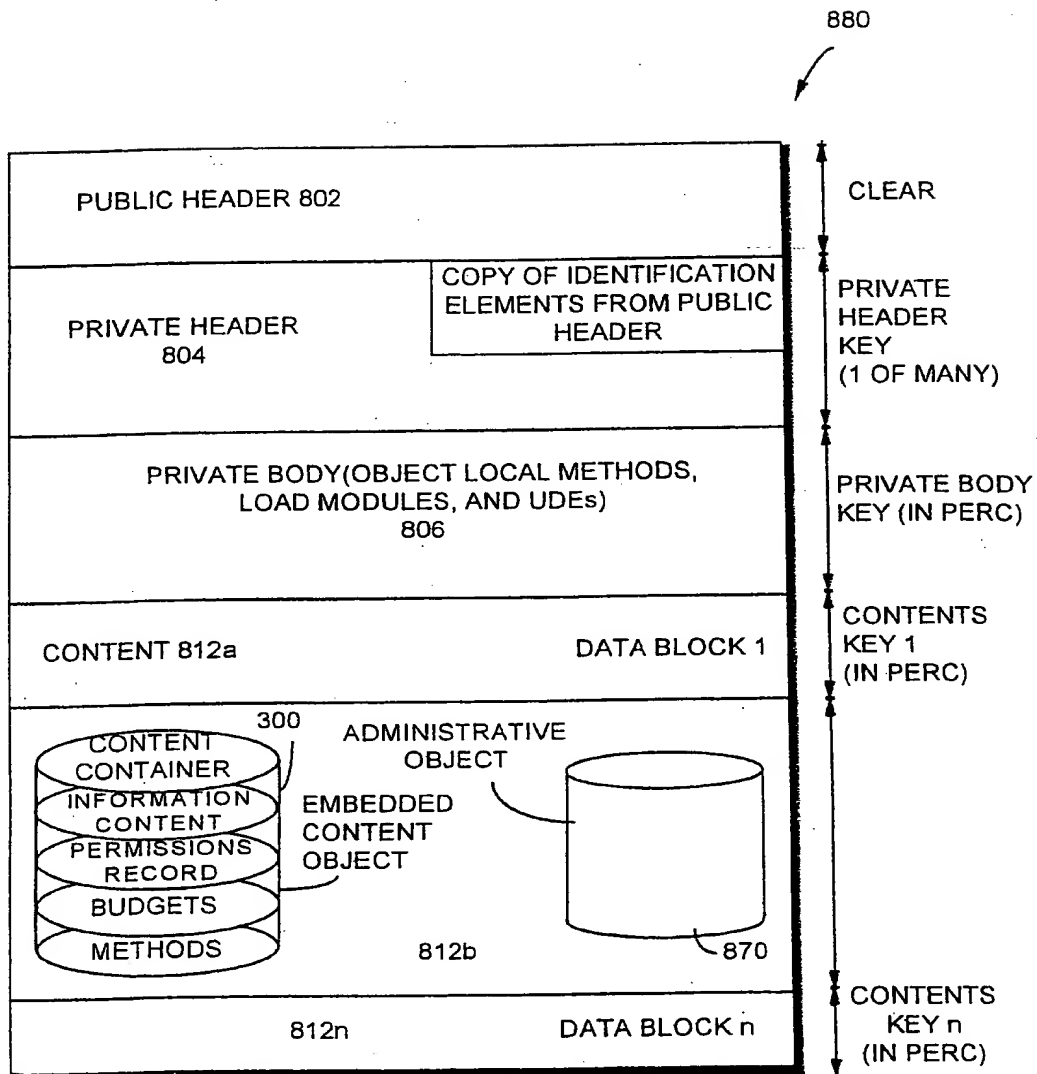


FIG. 20



REPLACEMENT SHEET
APPLN NO.: 09/698,044

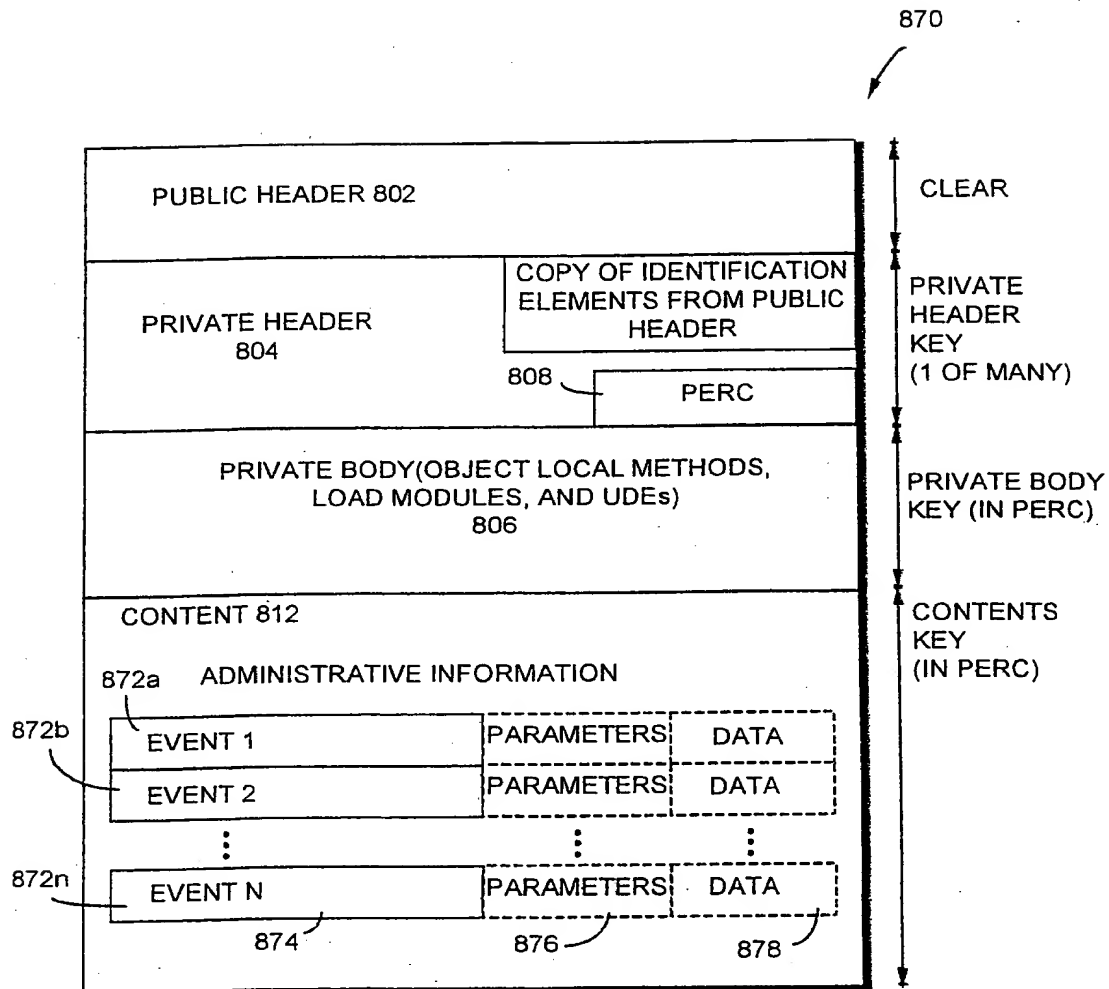


FIG. 21



FIG. 22

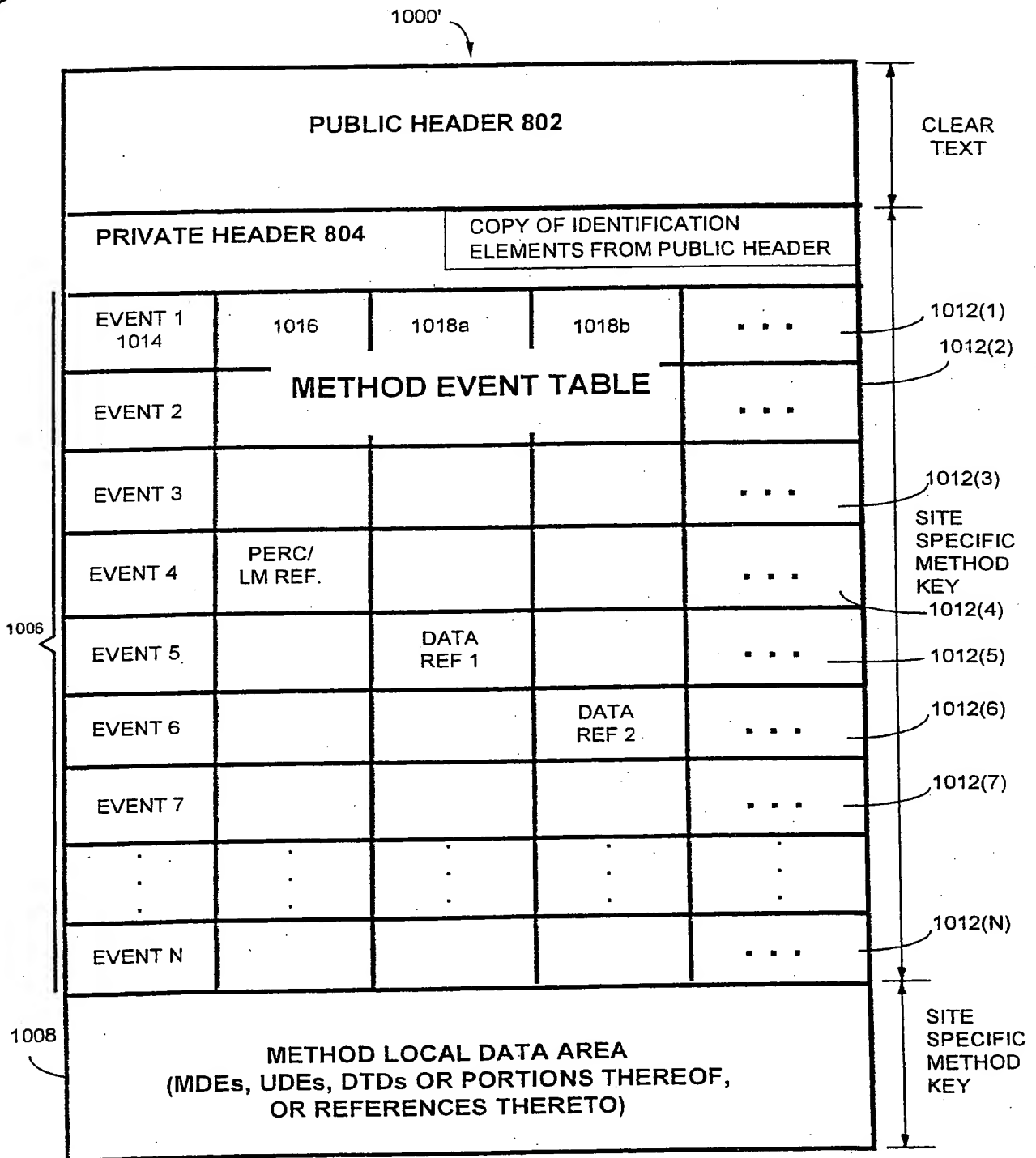




FIG. 23

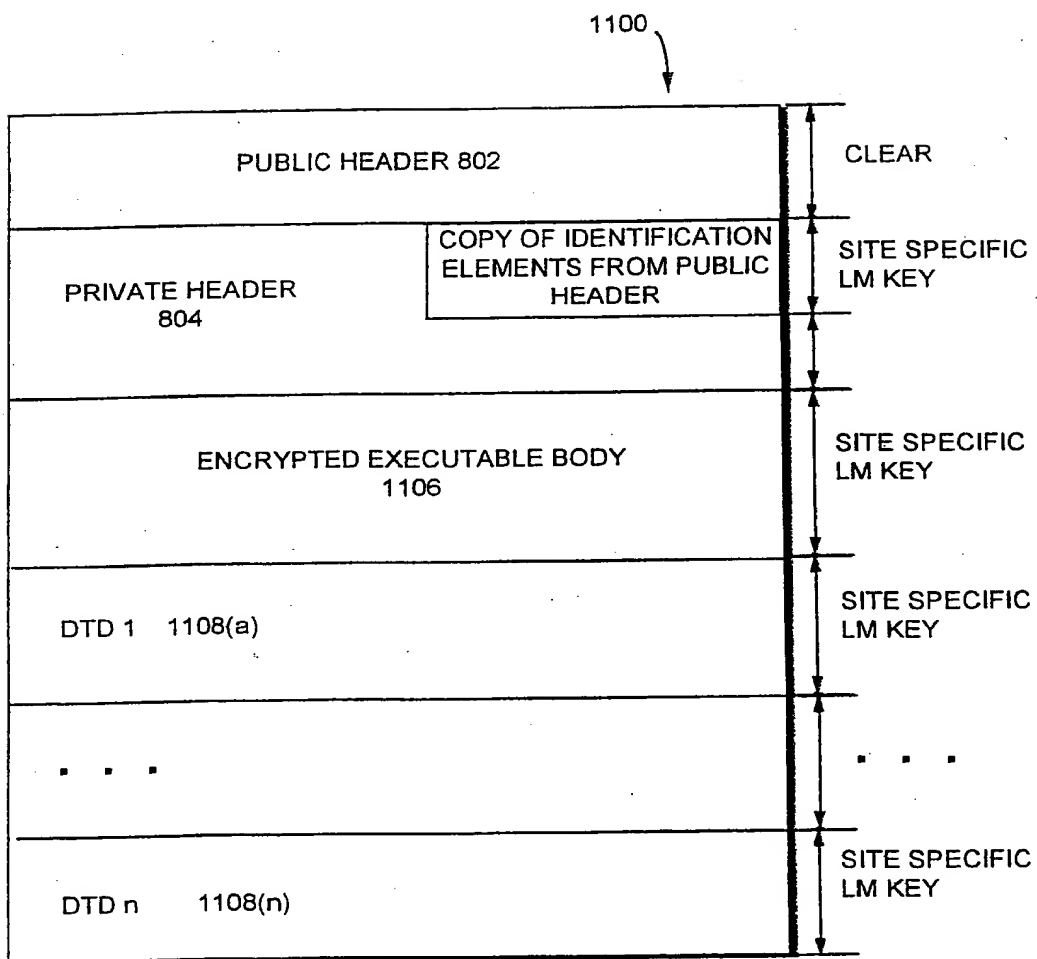




FIG. 24

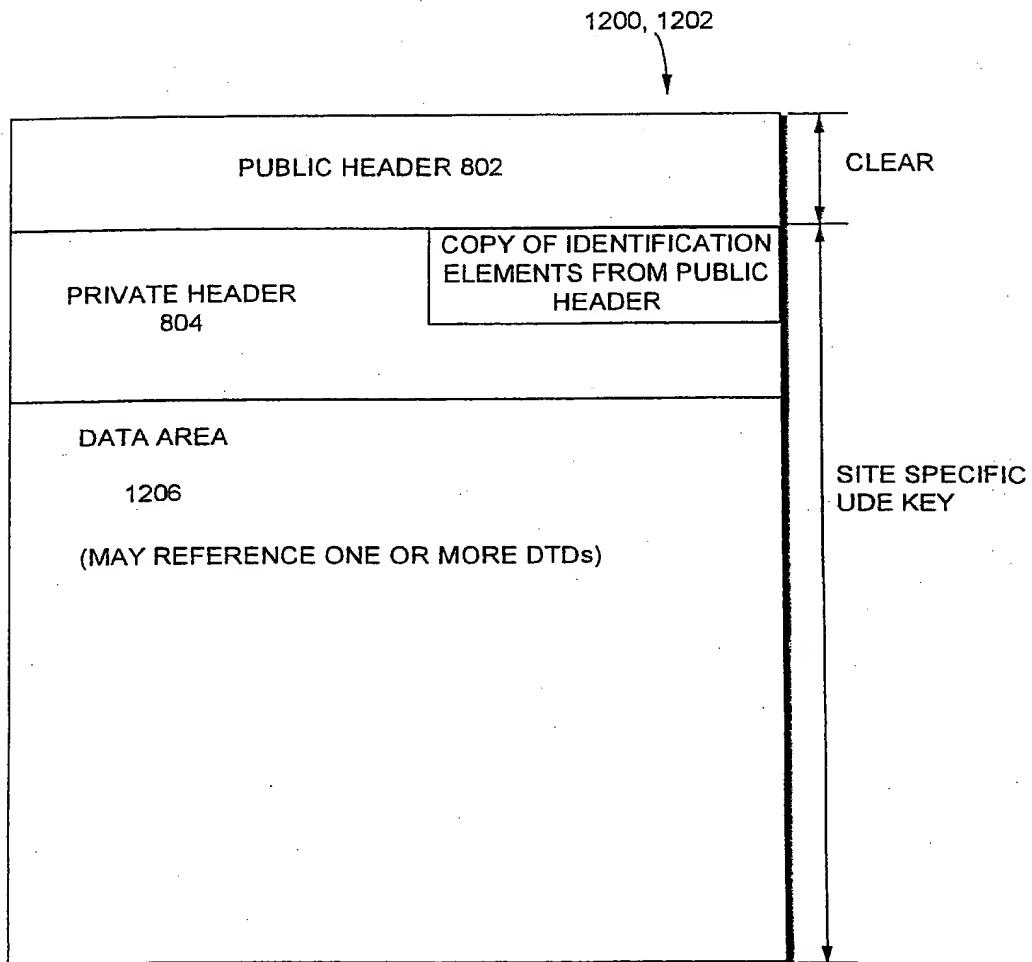




FIG. 25A

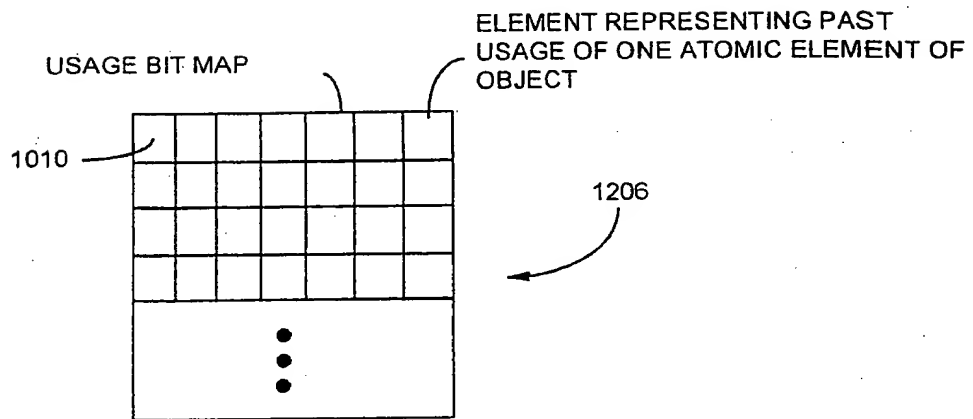


FIG. 25B

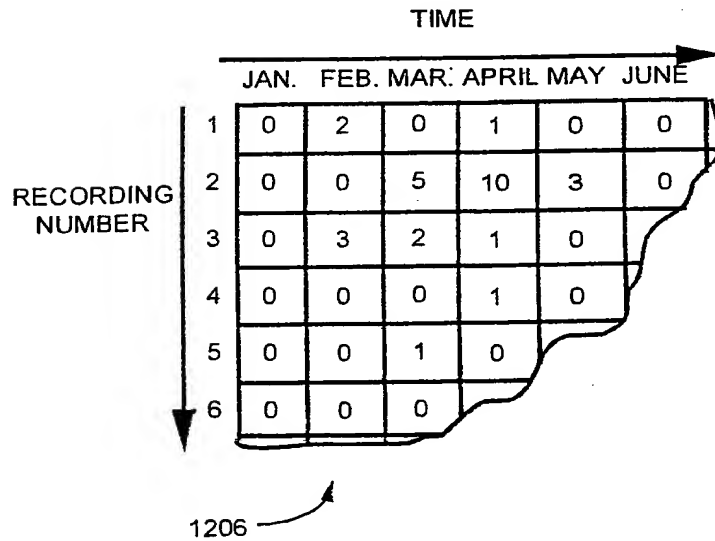




FIG. 25C

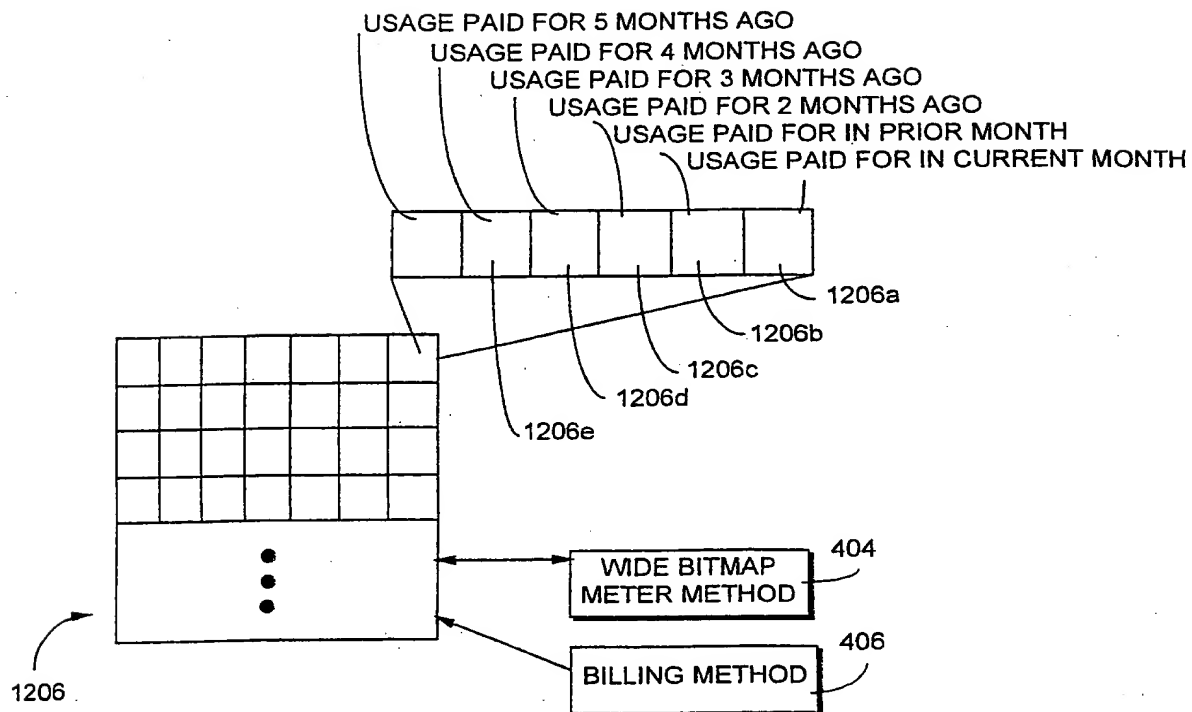
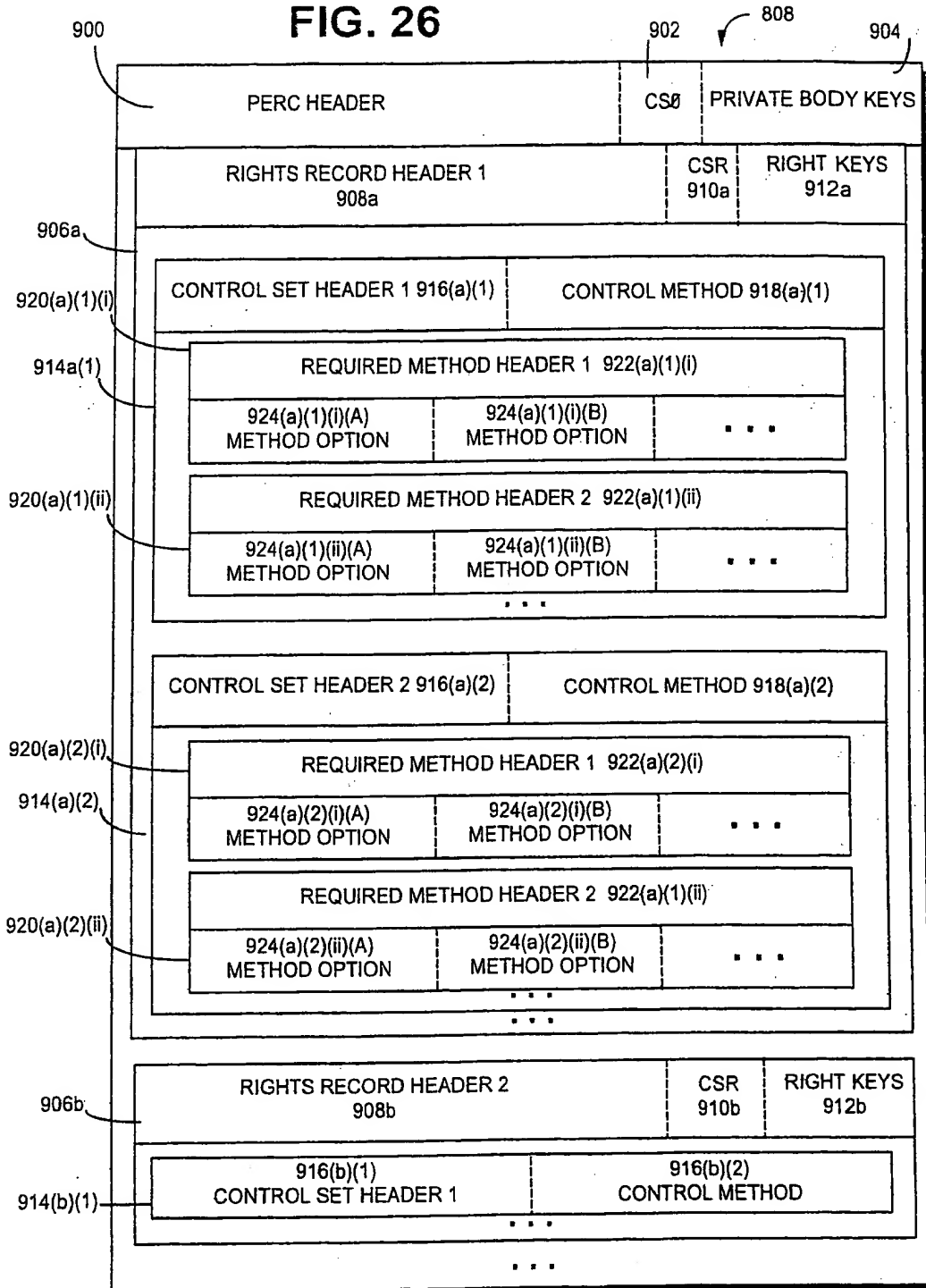




FIG. 26





REPLACEMENT SHEET
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FIG. 26A

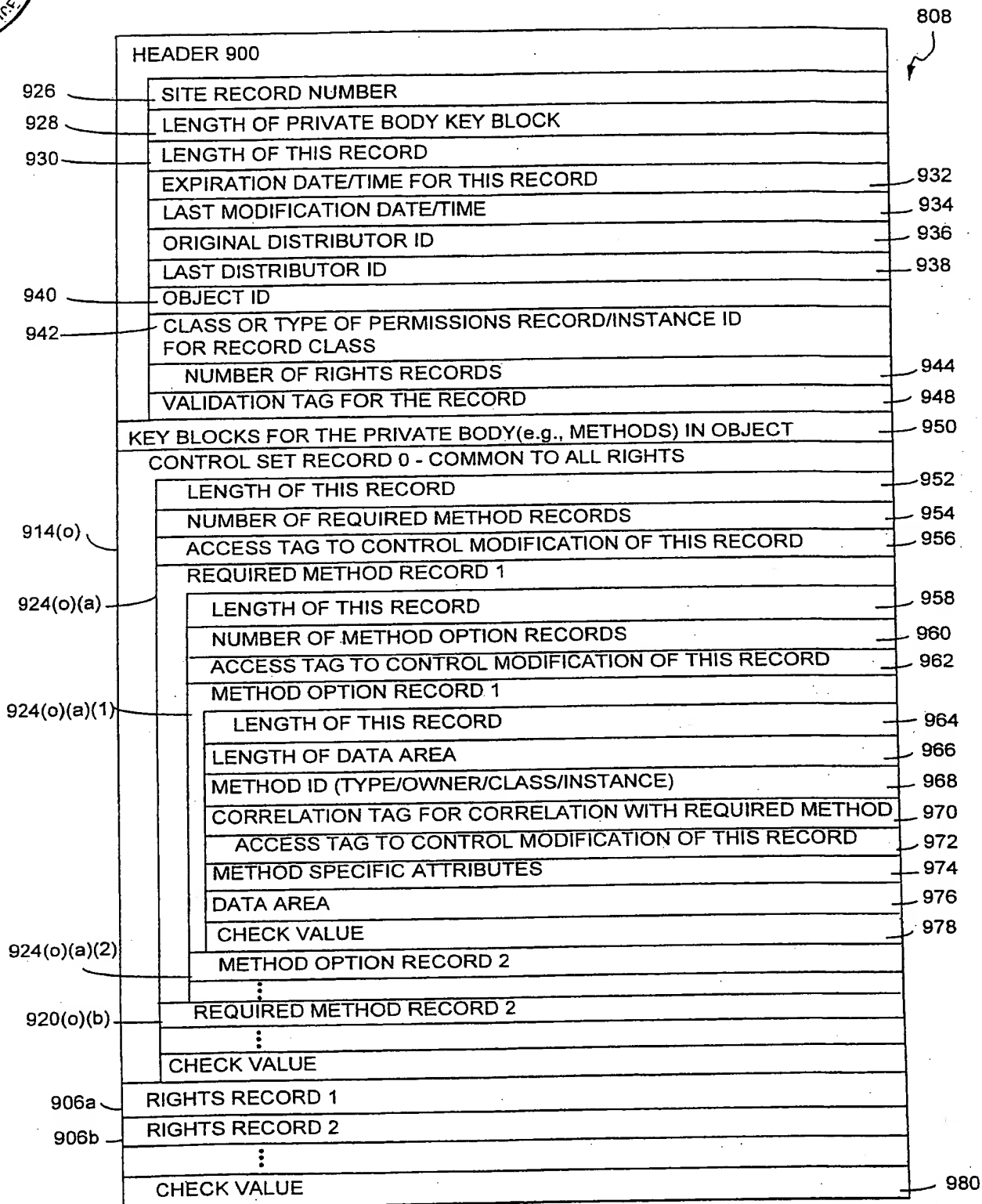
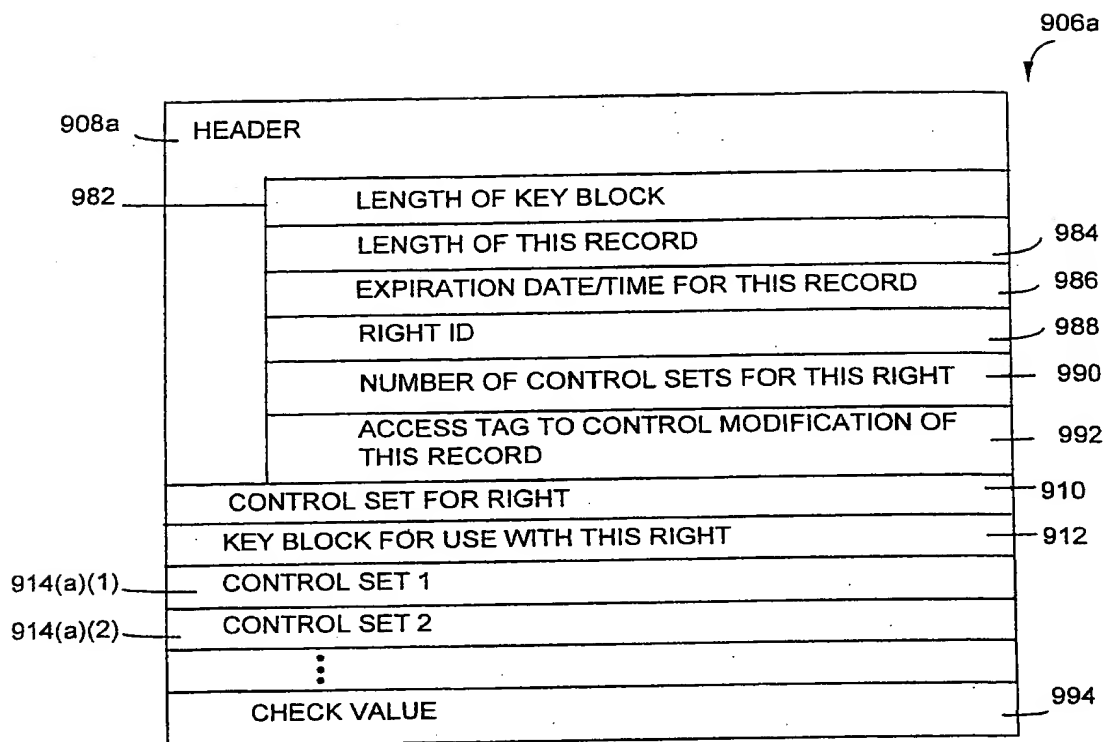




FIG. 26B



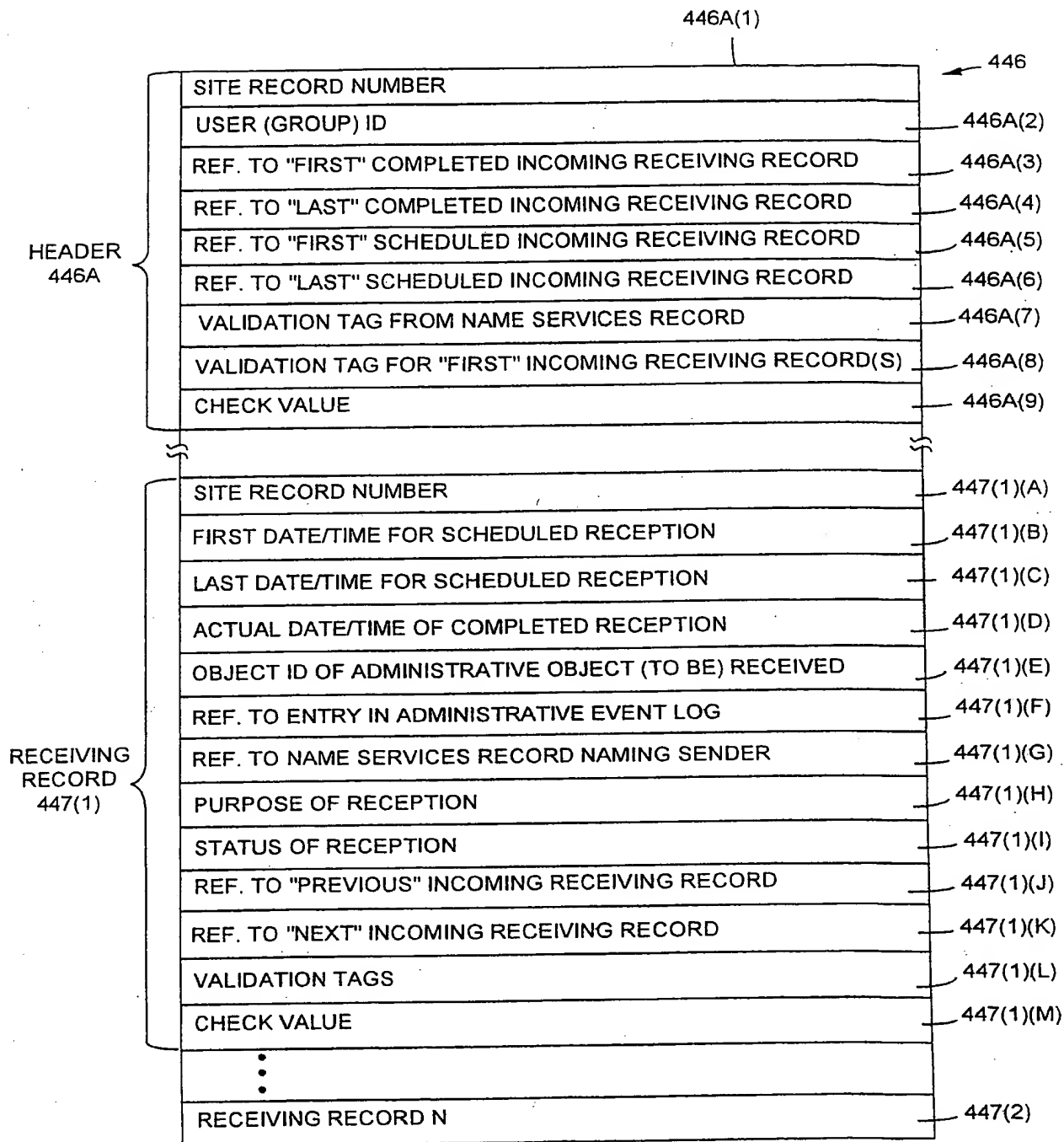


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FIG. 27

		444A(1)	
HEADER 444A	SITE RECORD NUMBER		444
	USER (GROUP) ID		444A(2)
	REF. TO "FIRST" COMPLETED OUTGOING SHIPPING RECORD		444A(3)
	REF. TO "LAST" COMPLETED OUTGOING SHIPPING RECORD		444A(4)
	REF. TO "FIRST" SCHEDULED OUTGOING SHIPPING RECORD		444A(5)
	REF. TO "LAST" SCHEDULED OUTGOING SHIPPING RECORD		444A(6)
	VALIDATION TAG FROM NAME SERVICES RECORD		444A(7)
	VALIDATION TAG FOR "FIRST" OUTGOING SHIPPING RECORD(S)		444A(8)
	CHECK VALUE		444A(9)
SHIPPING RECORD 445(1)	SITE RECORD NUMBER		445(1)(A)
	FIRST DATE/TIME FOR SCHEDULED SHIPMENT		445(1)(B)
	LAST DATE/TIME FOR SCHEDULED SHIPMENT		445(1)(C)
	ACTUAL DATE/TIME OF COMPLETED SHIPMENT		445(1)(D)
	OBJECT ID OF ADMINISTRATIVE OBJECT (TO BE) SHIPPED		445(1)(E)
	REF. TO ENTRY IN ADMINISTRATIVE EVENT LOG		445(1)(F)
	REF. TO NAME SERVICES RECORD NAMING RECIPIENT		445(1)(G)
	PURPOSE OF SHIPMENT		445(1)(H)
	STATUS OF SHIPMENT		445(1)(I)
	REF. TO "PREVIOUS" OUTGOING SHIPPING RECORD		445(1)(J)
	REF. TO "NEXT" OUTGOING SHIPPING RECORD		445(1)(K)
	VALIDATION TAG FROM HEADER		445(1)(L)
	VALIDATION TAG TO ADMINISTRATIVE EVENT LOG		445(1)(M)
	VALIDATION TAG TO NAME SERVICES RECORD		445(1)(N)
	VALIDATION TAG FROM PREVIOUS RECORD		445(1)(O)
	VALIDATION TAG TO NEXT RECORD		445(1)(P)
	CHECK VALUE		445(1)(Q)
	⋮		
	SHIPPING RECORD N		445(1)(R)

FIG. 28





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FIG. 29

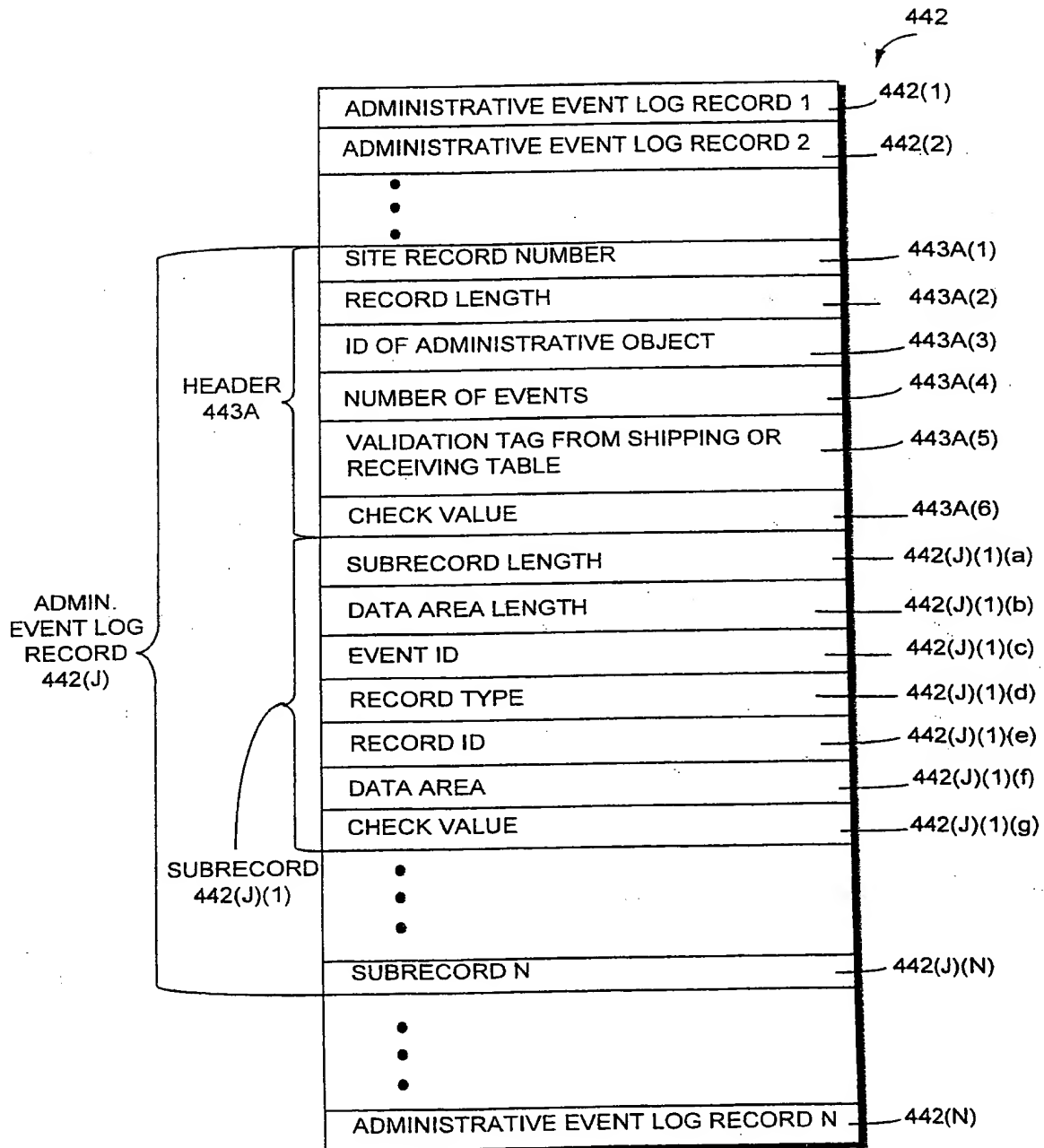
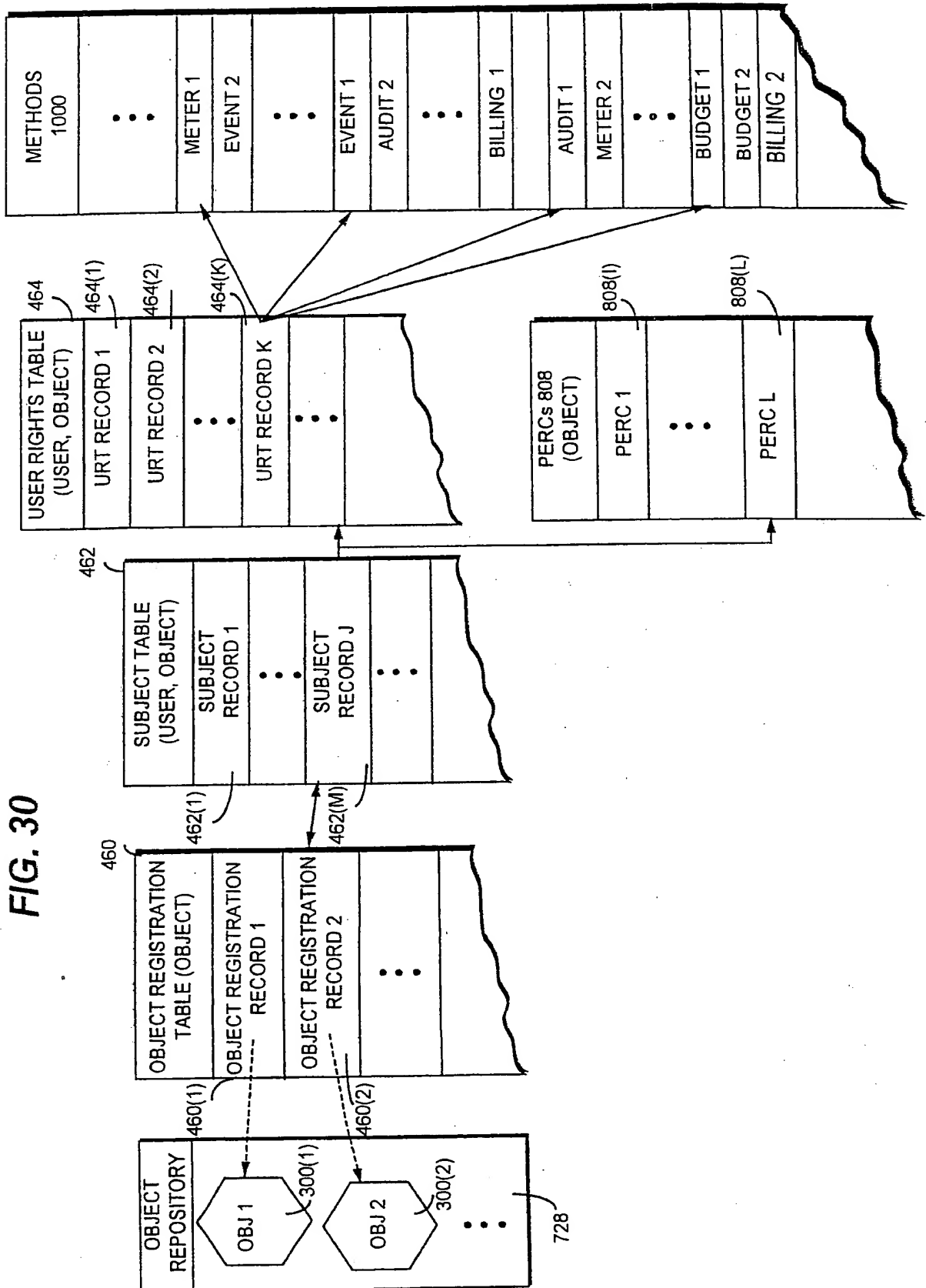


FIG. 30





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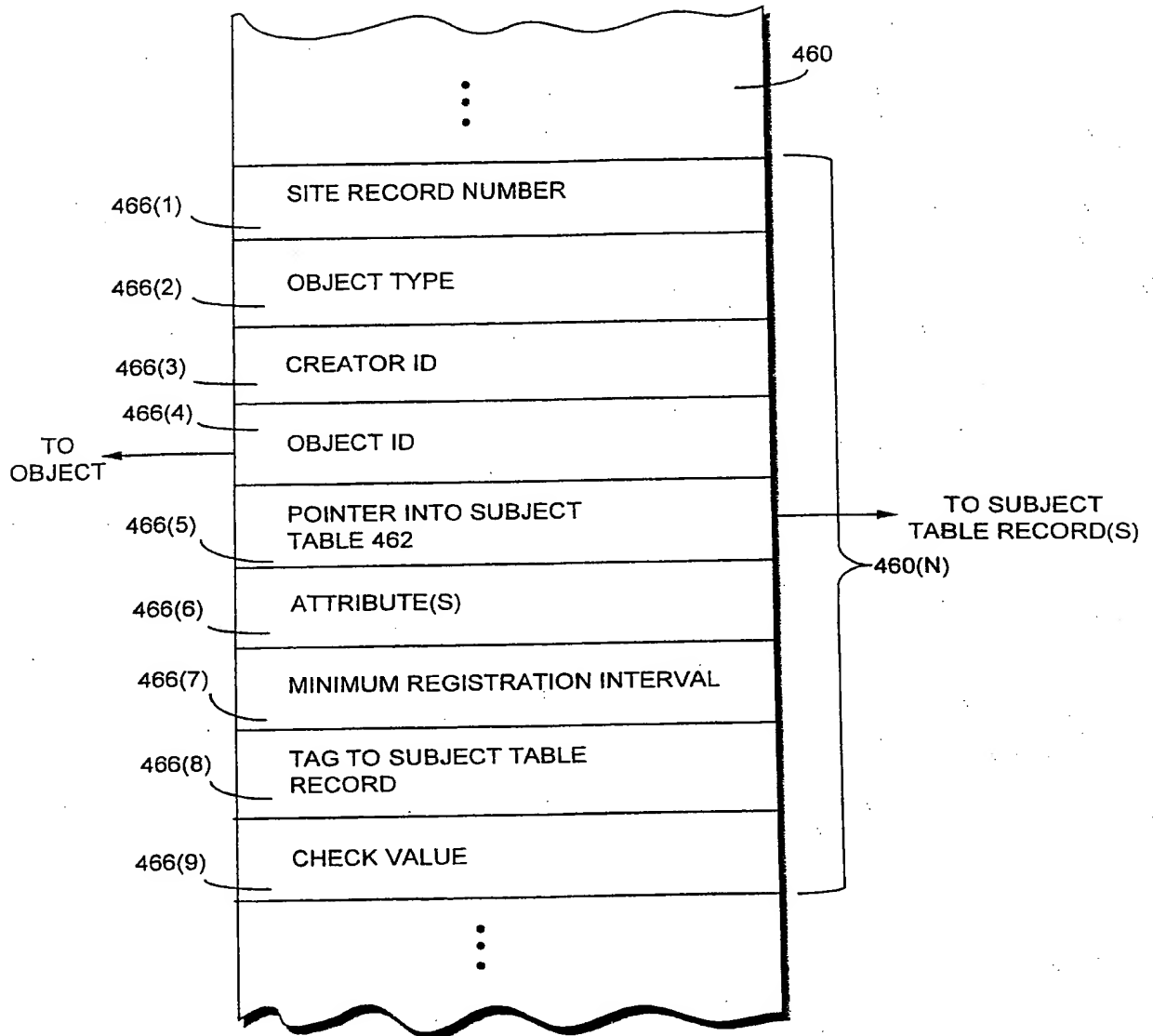
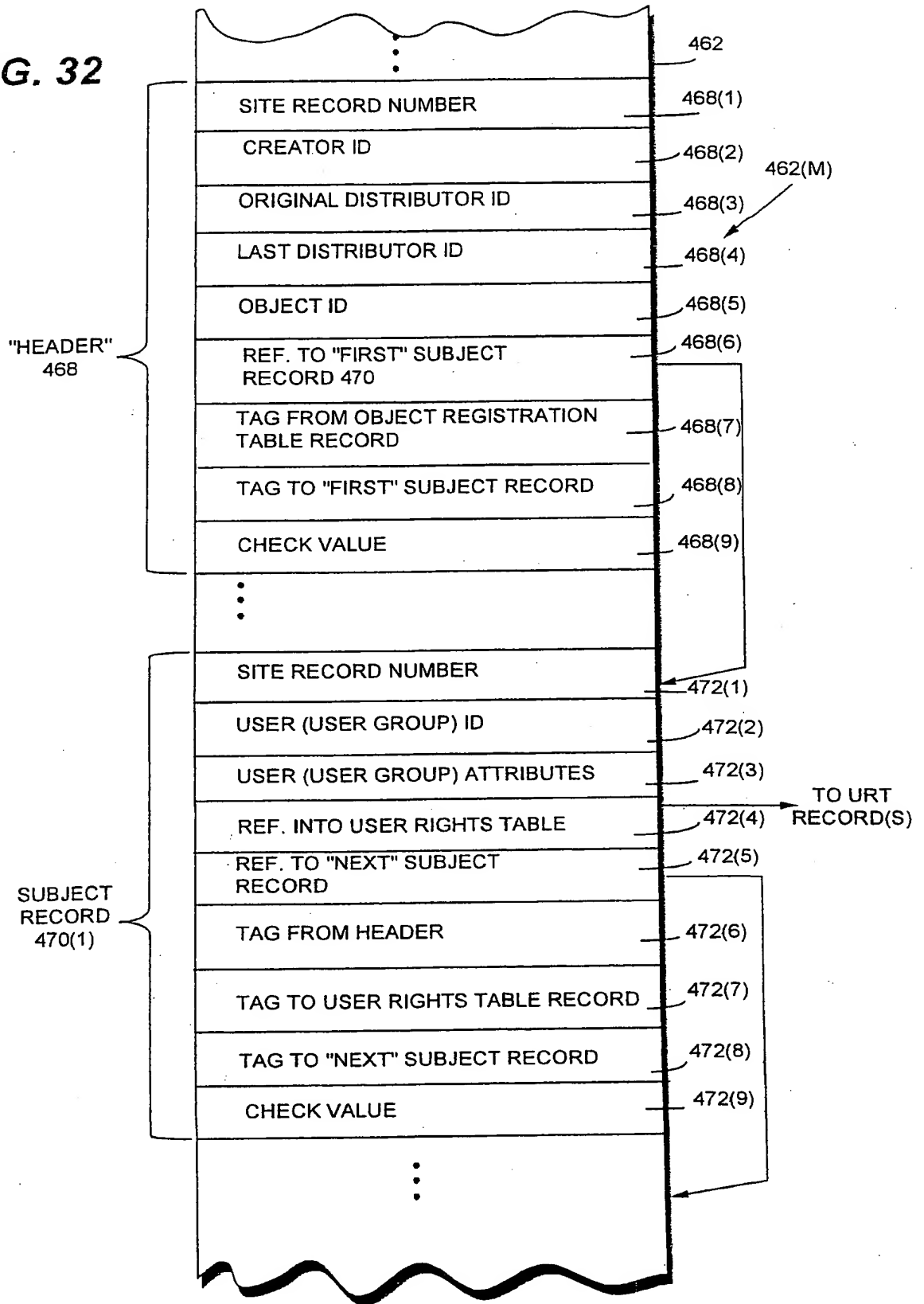


FIG. 31

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FIG. 32



		464	
FROM SUBJECT TABLE 474	URT HEADER	SITE RECORD NUMBER	474(1)
		NUMBER OF RIGHTS RECORDS	474(2)
		REF. TO "FIRST" RIGHT RECORD	474(3)
		TAG FROM SUBJECT TABLE	474(4)
		TAG TO RIGHTS RECORD	474(5)
		CHECK VALUE	474(6)
476	RIGHTS RECORD HEADER	SITE RECORD NUMBER FOR THIS RIGHTS RECORD	476(1)
		RIGHT ID	476(2)
		POINTER TO "NEXT" RIGHTS RECORD	476(3)
		POINTER TO "FIRST" SET OF USER CHOICE RECORDS	476(4)
		TAG FROM URT HEADER	476(5)
		TAG TO "FIRST" SET OF USER CHOICE RECORDS	476(6)
		CHECK VALUE	476(7)
478	SET OF USER CHOICE RECORDS	SITE RECORD NUMBER FOR THIS USER CHOICE RECORD	478(1)
		USER(USER GROUP) ID	478(2)
		ATTRIBUTES	478(3)
		REF. TO "NEXT" SET OF USER CHOICE RECORDS	478(4)
		NUMBER OF USER CHOICES	478(5)
		TAG FROM RIGHTS RECORD HEADER	478(6)
		USER CHOICE RECORD 1	480(1)
		USER CHOICE RECORD 2	480(2)
		...	
		USER CHOICE RECORD N	480(N)
		CHECK VALUE	

FIG. 34

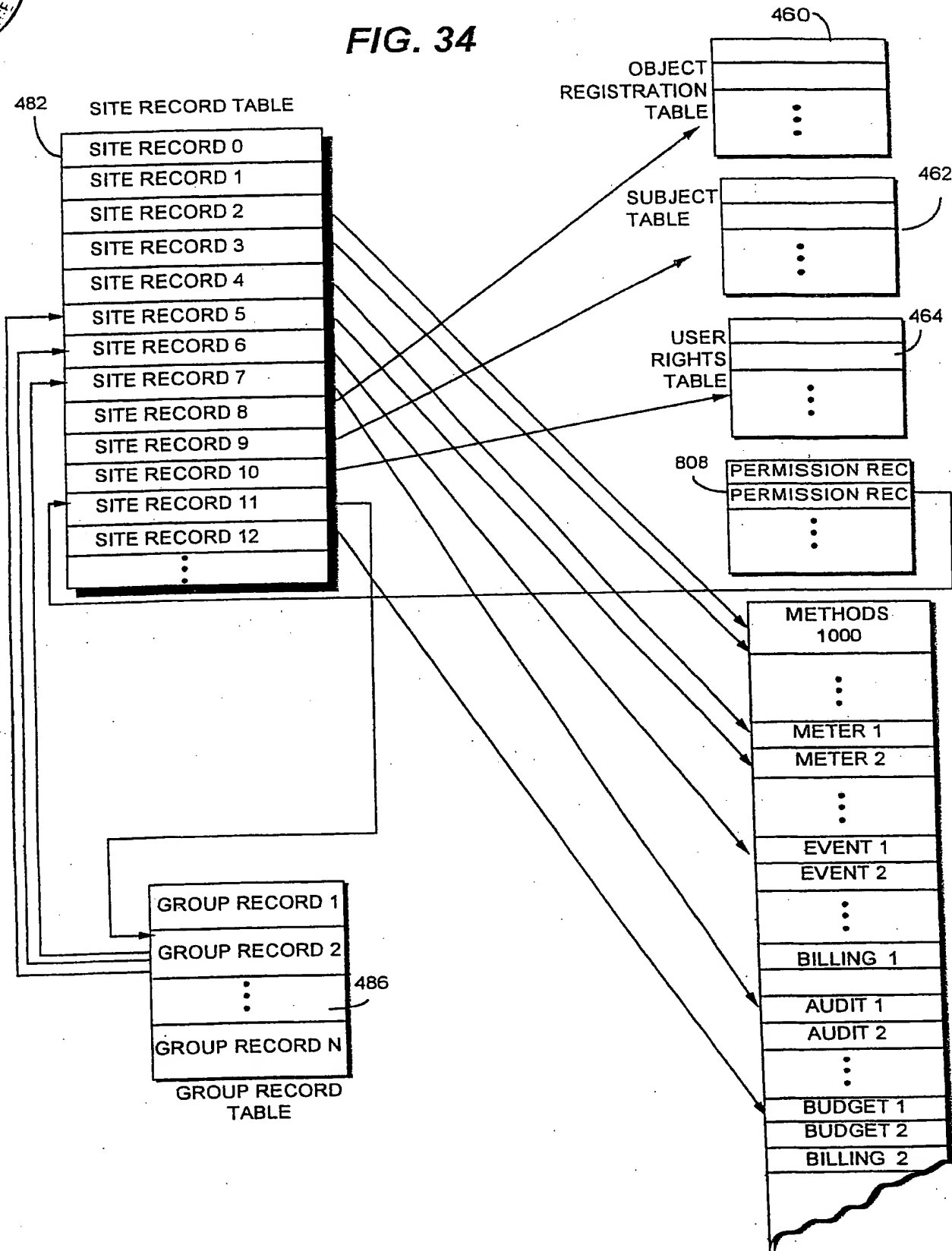




FIG. 34A

482(J)		482
TYPE OF RECORD		484(1)
OWNER OR CREATOR OF RECORD		484(2)
CLASS		484(3)
INSTANCE		484(4)
TYPE SPECIFIC DESCRIPTOR (e.g., OBJECT ID) ASSOCIATED WITH RECORD		484(5)
TABLE IN WHICH THE RECORD IS LOCATED		484(6)
POINTER - OFFSET, WITHIN THE TABLE, TO WHERE THE RECORD BEGINS		484(7)
RECORD LENGTH		484(8)
VALIDATION TAG FOR RECORD		484(9)
CHECK VALUE		484(10)



FIG. 34B

		486
486(J)		
SITE RECORD NUMBER		488(1)
NUMBER OF REFERENCE SUBRECORDS		488(2)
VALIDATION TAG FOR GROUP OF RECORDS		488(3)
REFERENCE SUBRECORD 1		488(4)
REF.(SITE RECORD NUMBER 1) FOR 1ST RECORD IN GROUP		490(A)
VALIDATION TAG FOR RECORD		490(B)
REFERENCE SUBRECORD 2		488(5)
REF.(SITE RECORD NUMBER 2) FOR 1ST RECORD IN GROUP		490(C)
VALIDATION TAG FOR RECORD		490(D)
⋮		
CHECKSUM (CRC)		488(6)



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FIG. 35

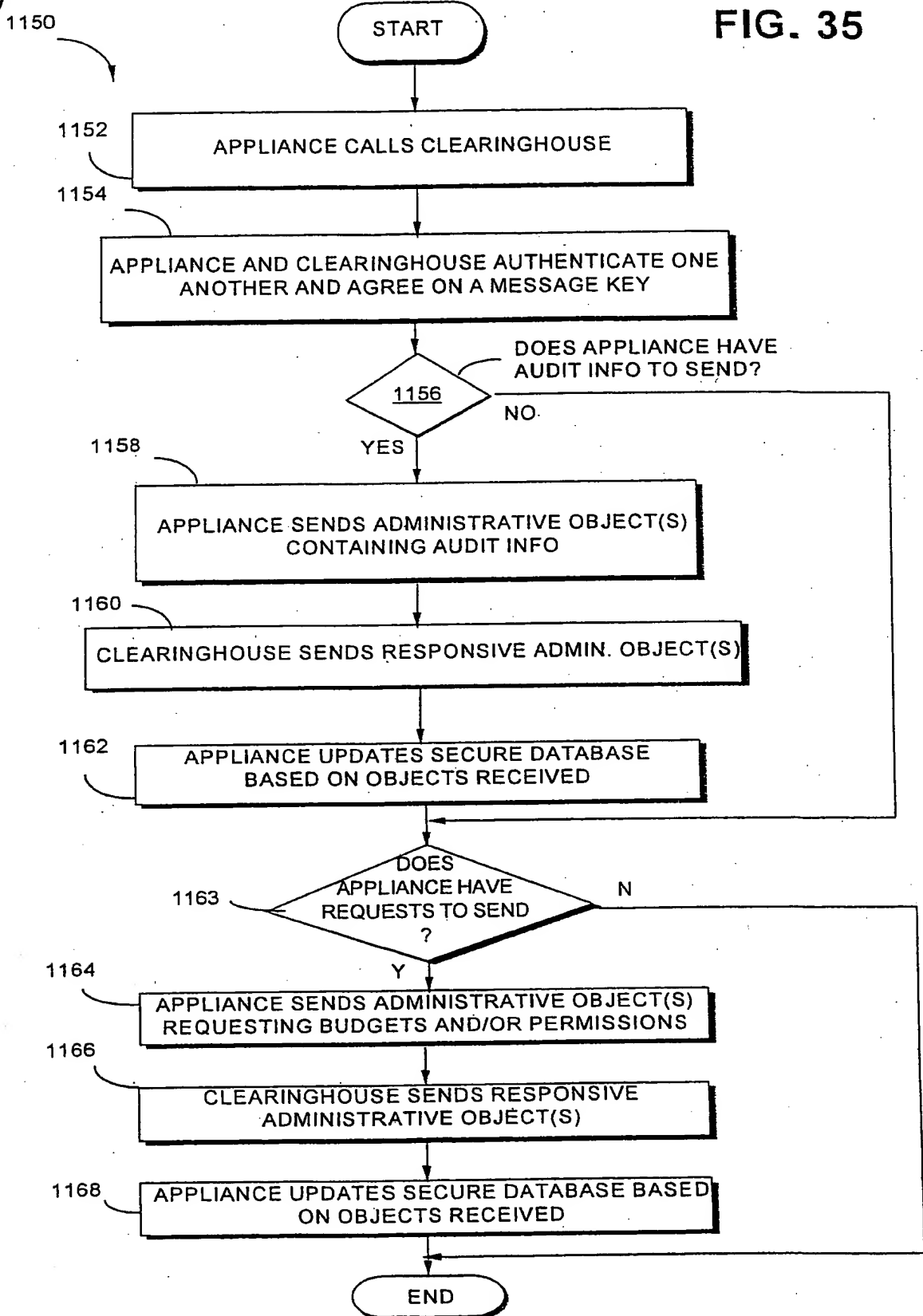




FIG. 36

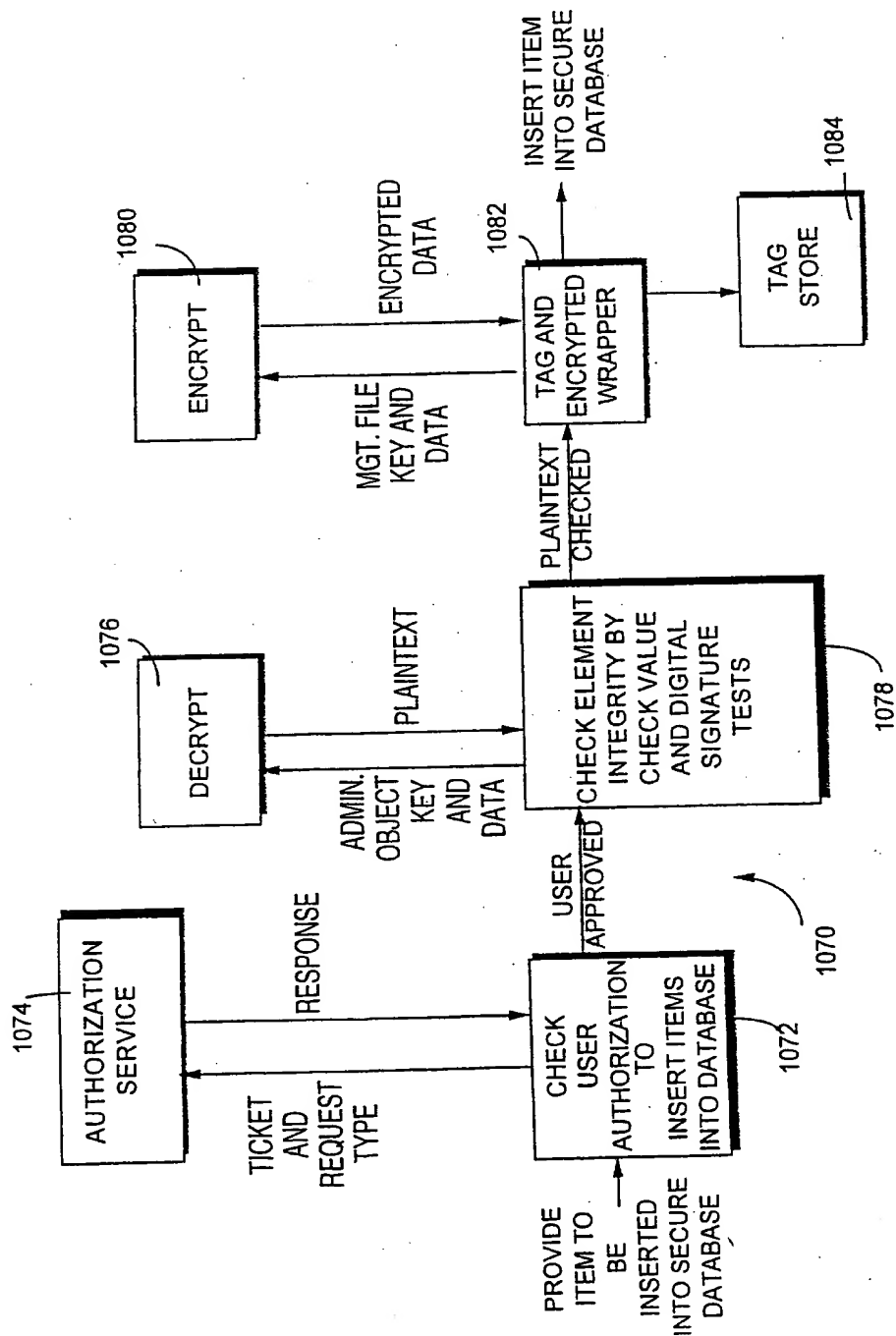




FIG. 37

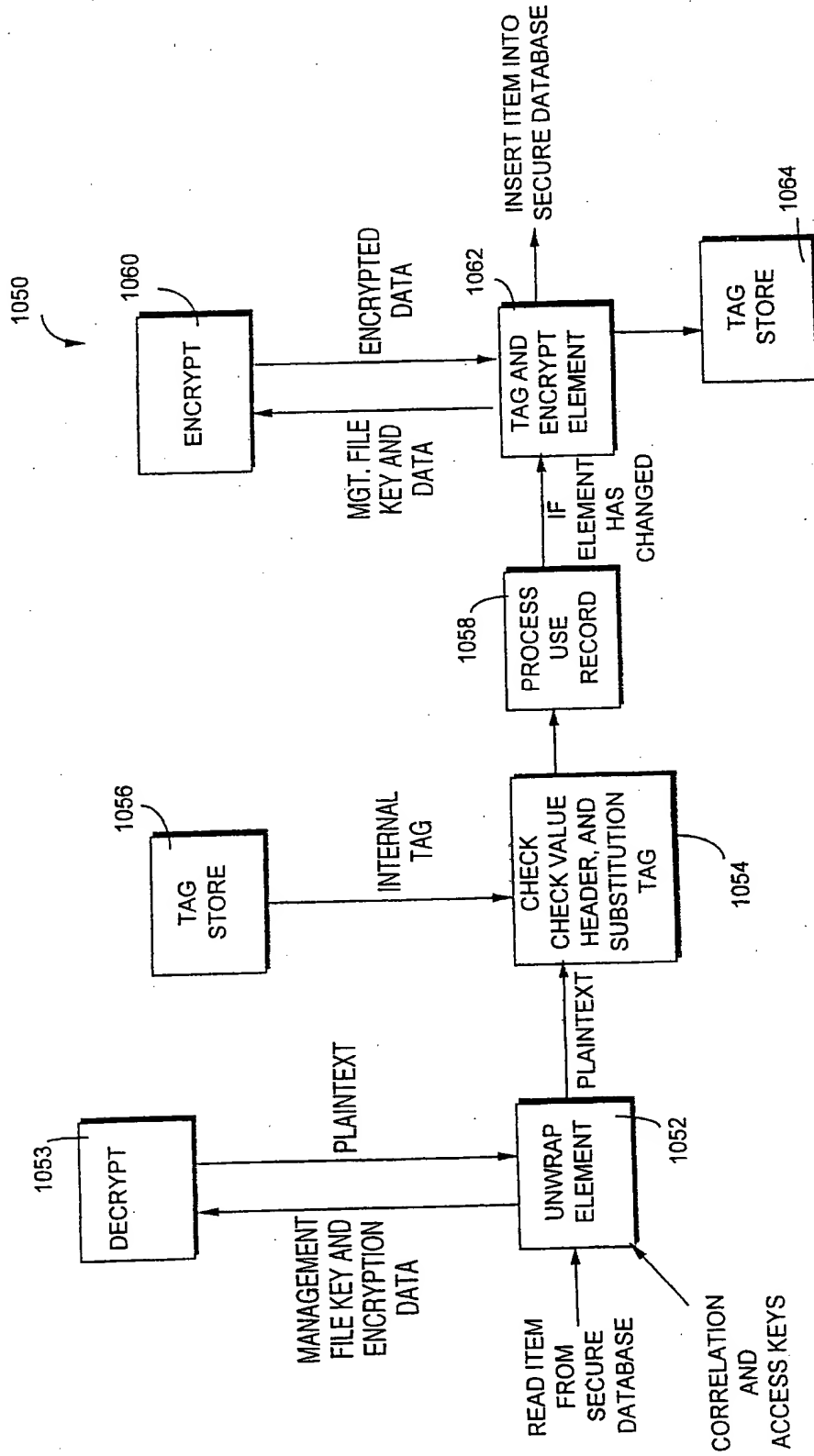




FIG. 38

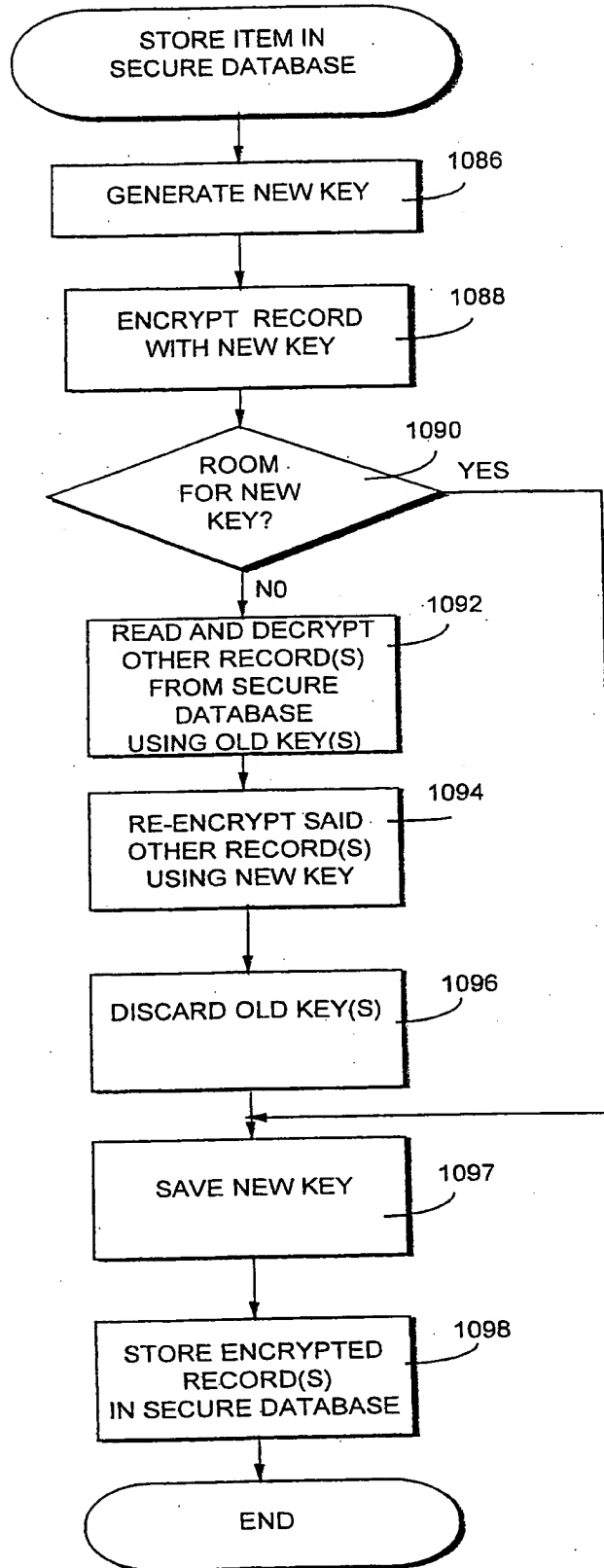




FIG. 39

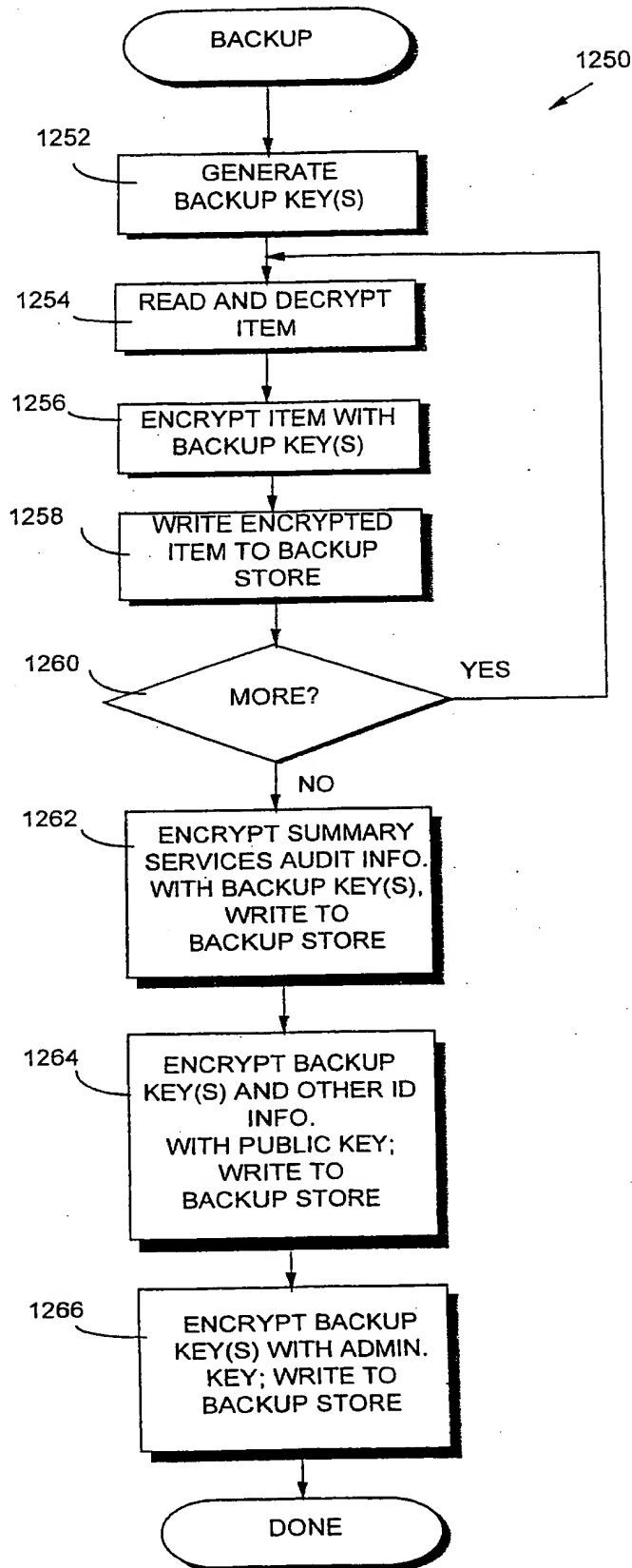
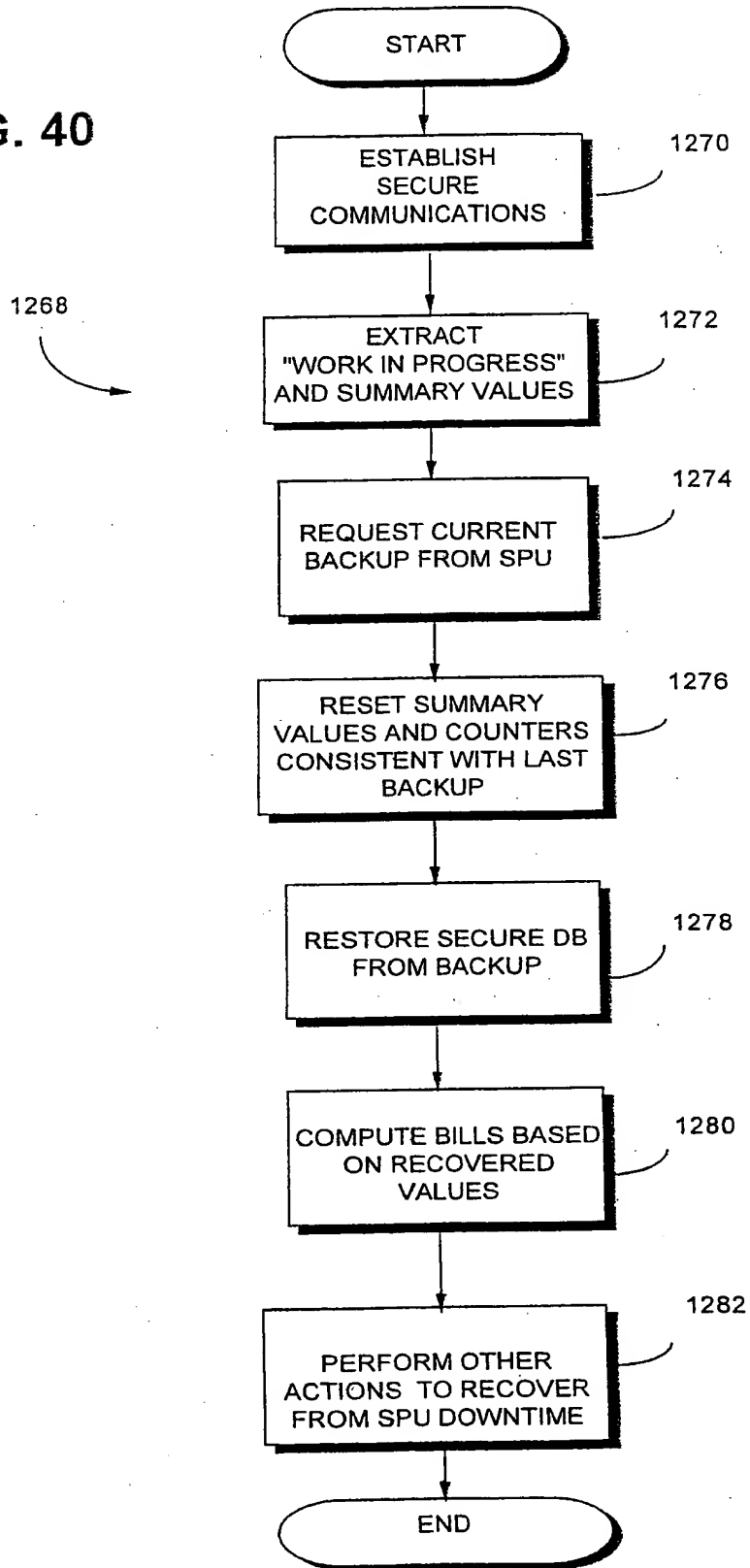




FIG. 40



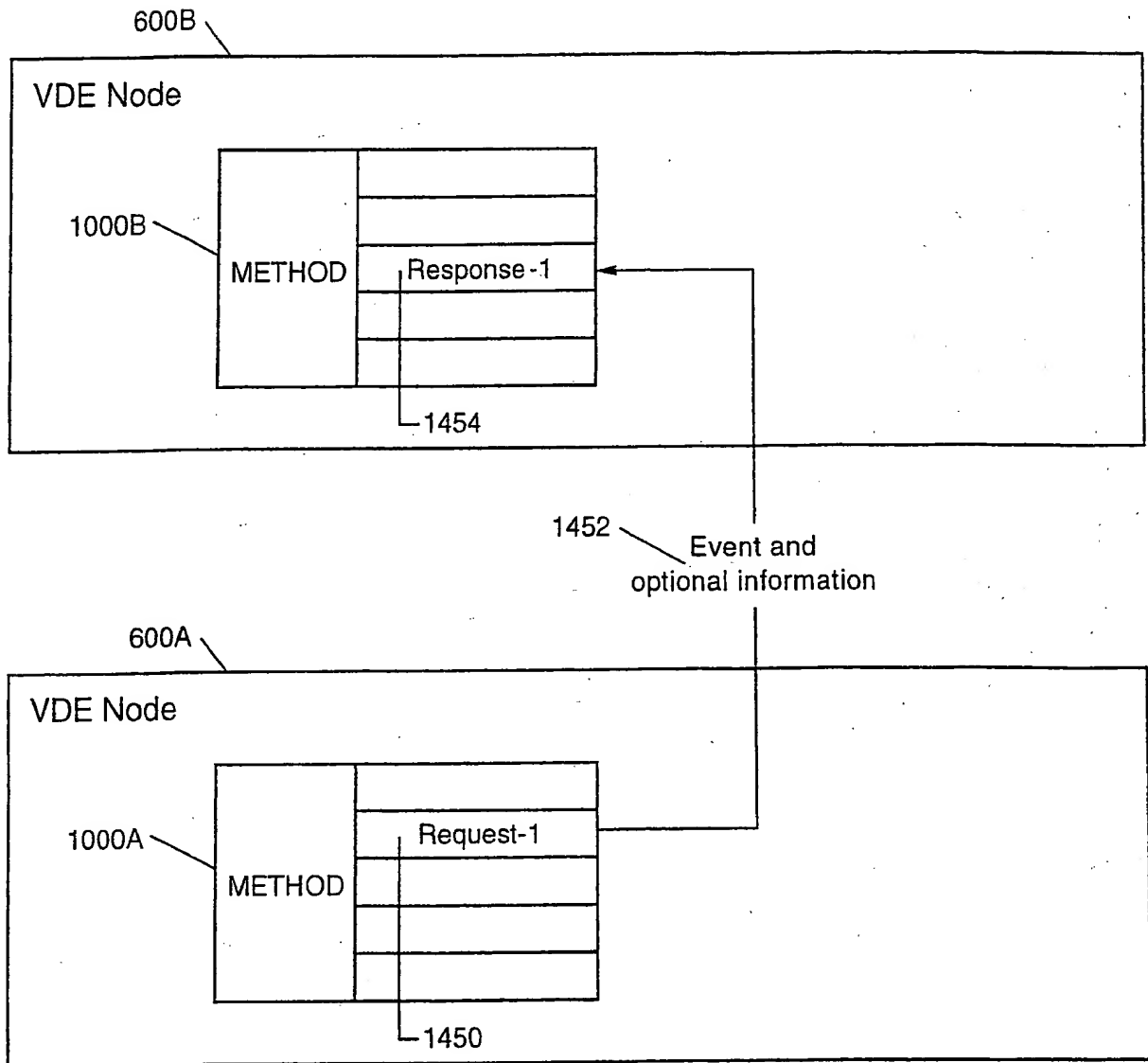


FIG. 41a

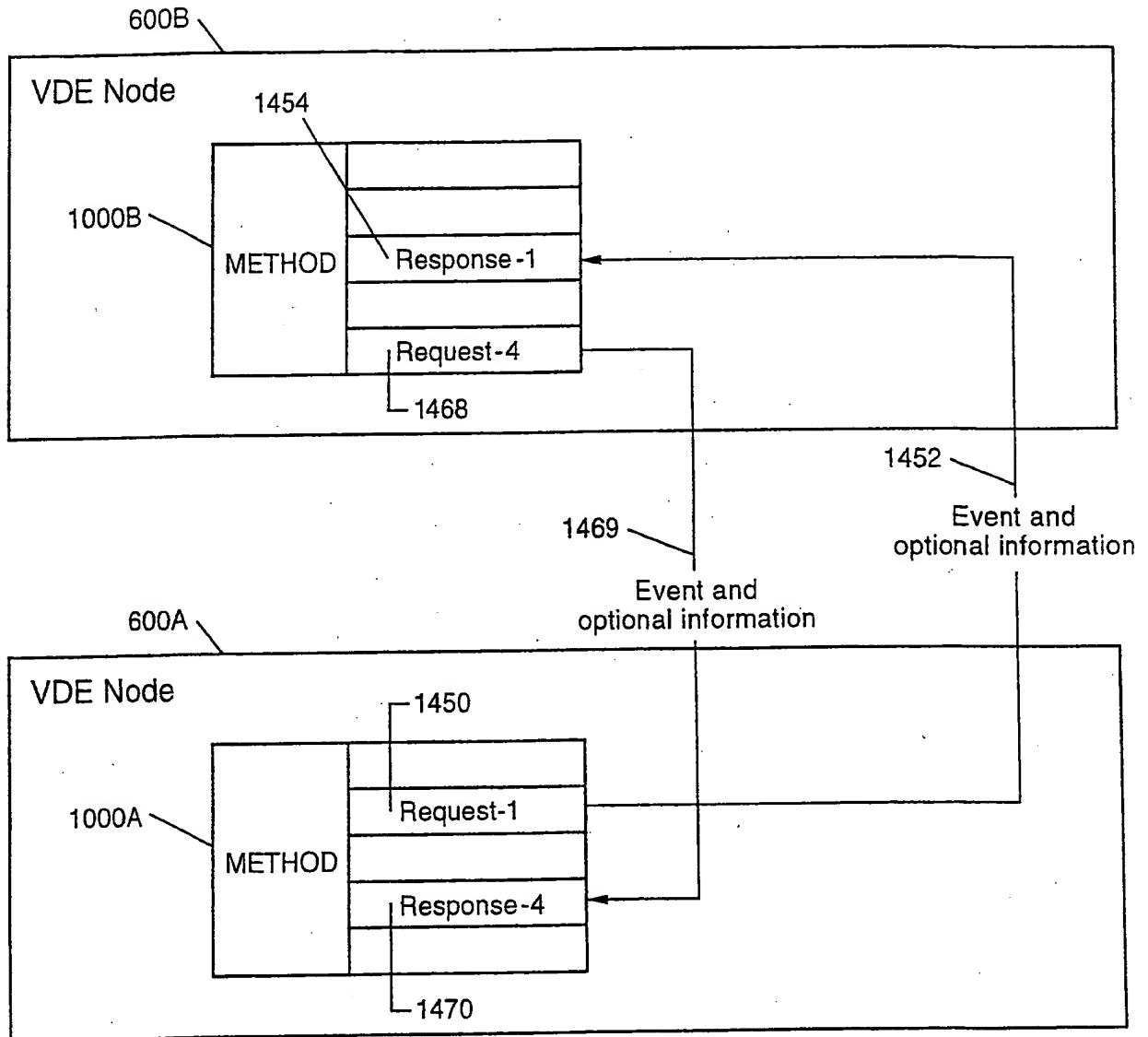
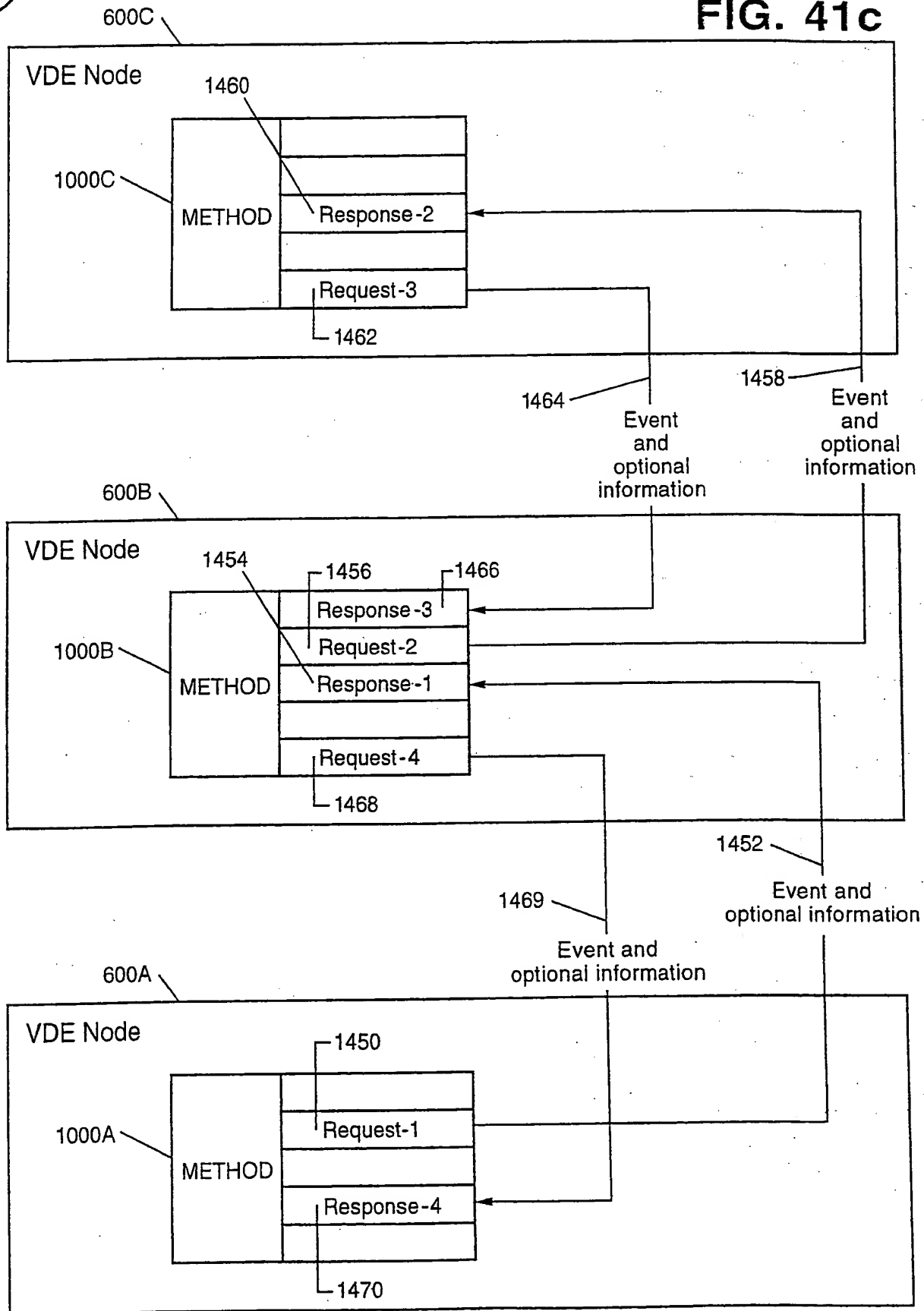


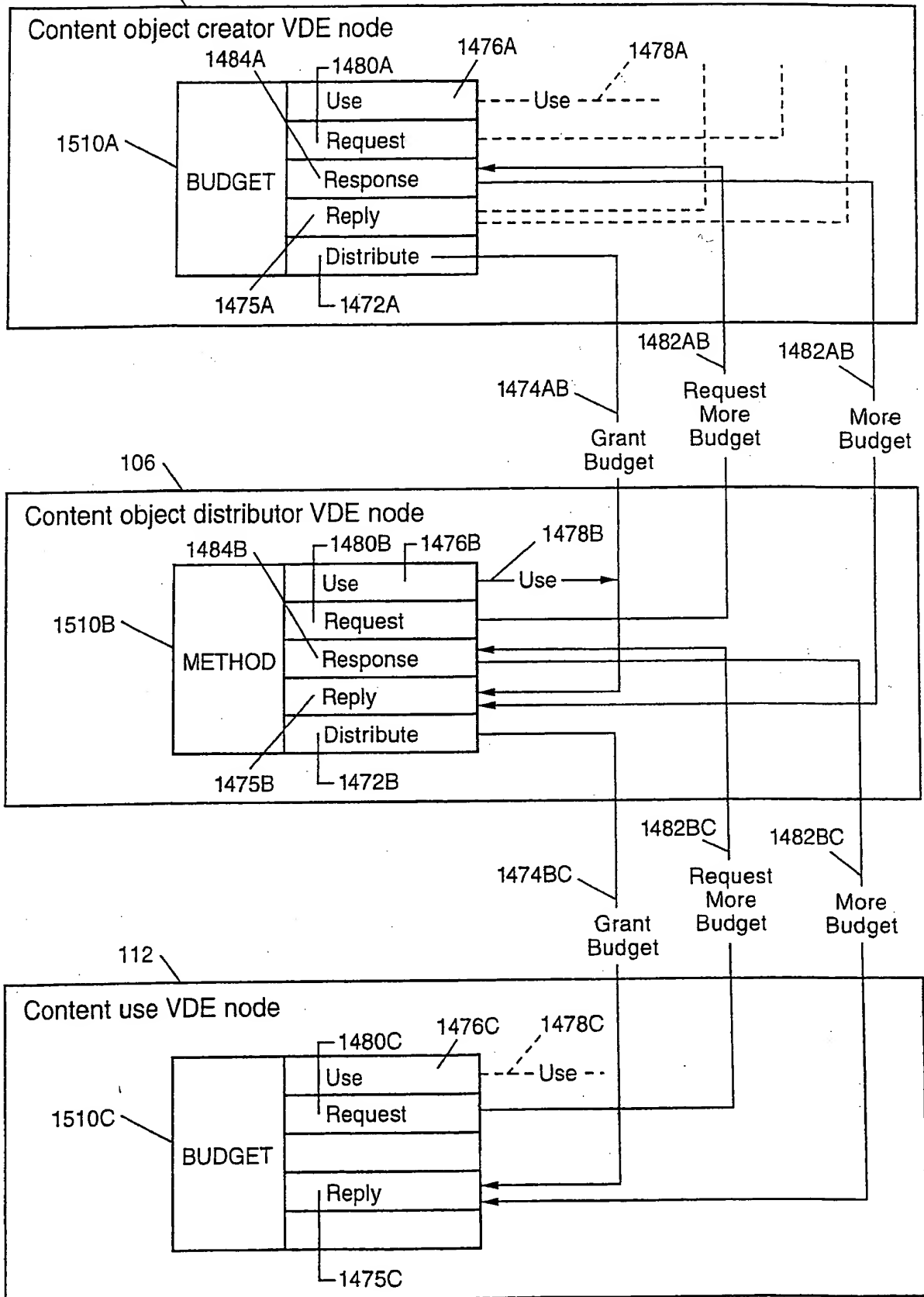
FIG. 41b



FIG. 41c



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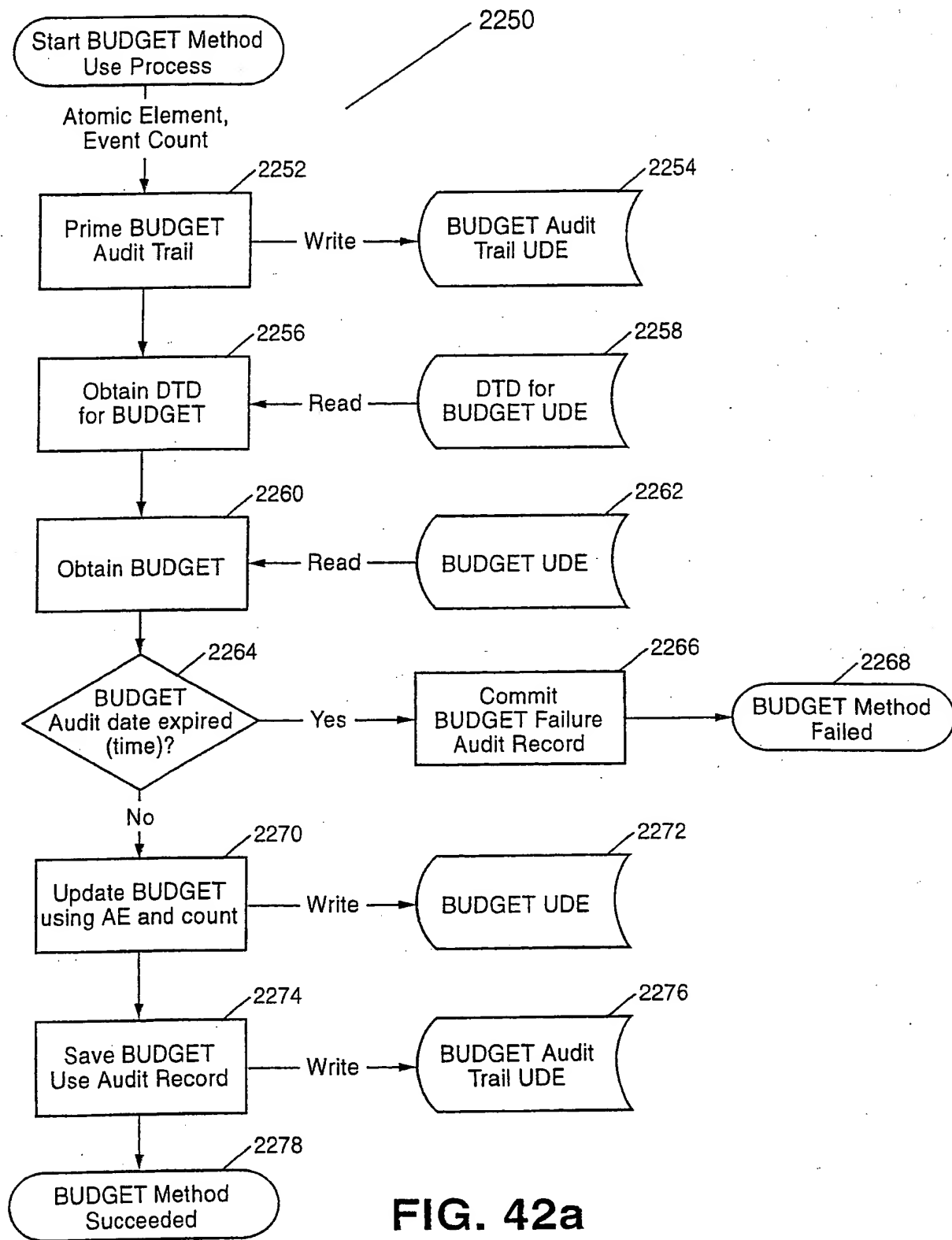


FIG. 42a

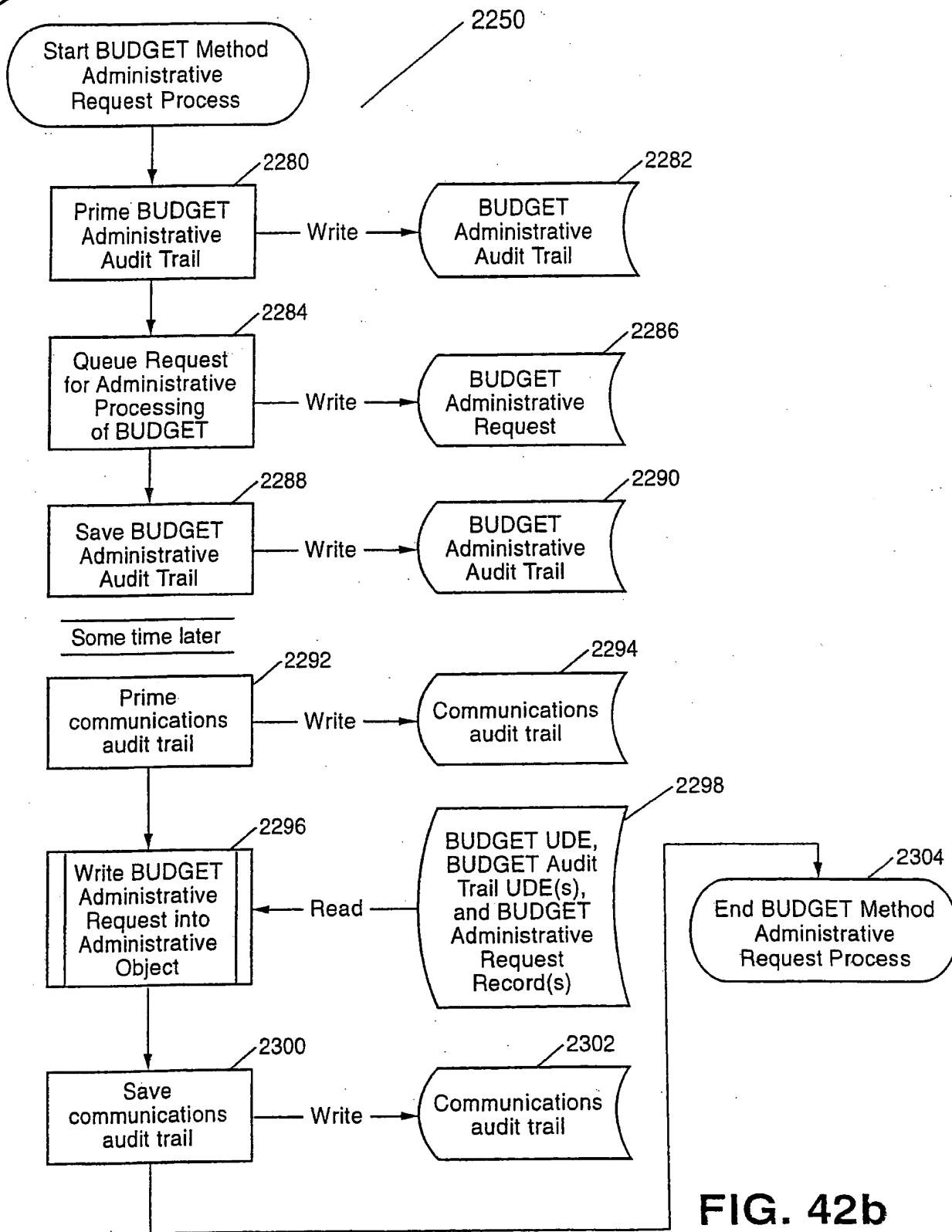


FIG. 42b

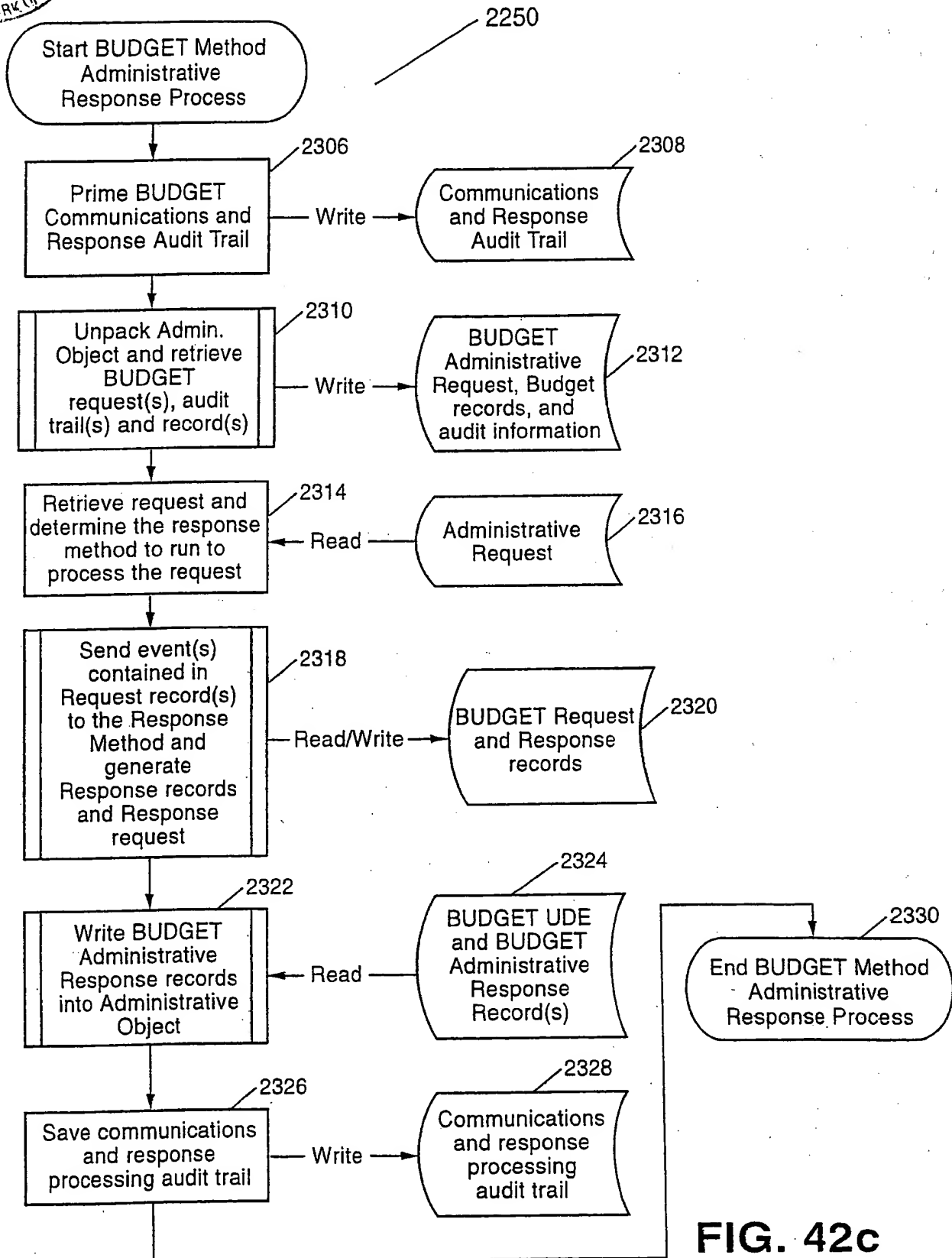


FIG. 42c

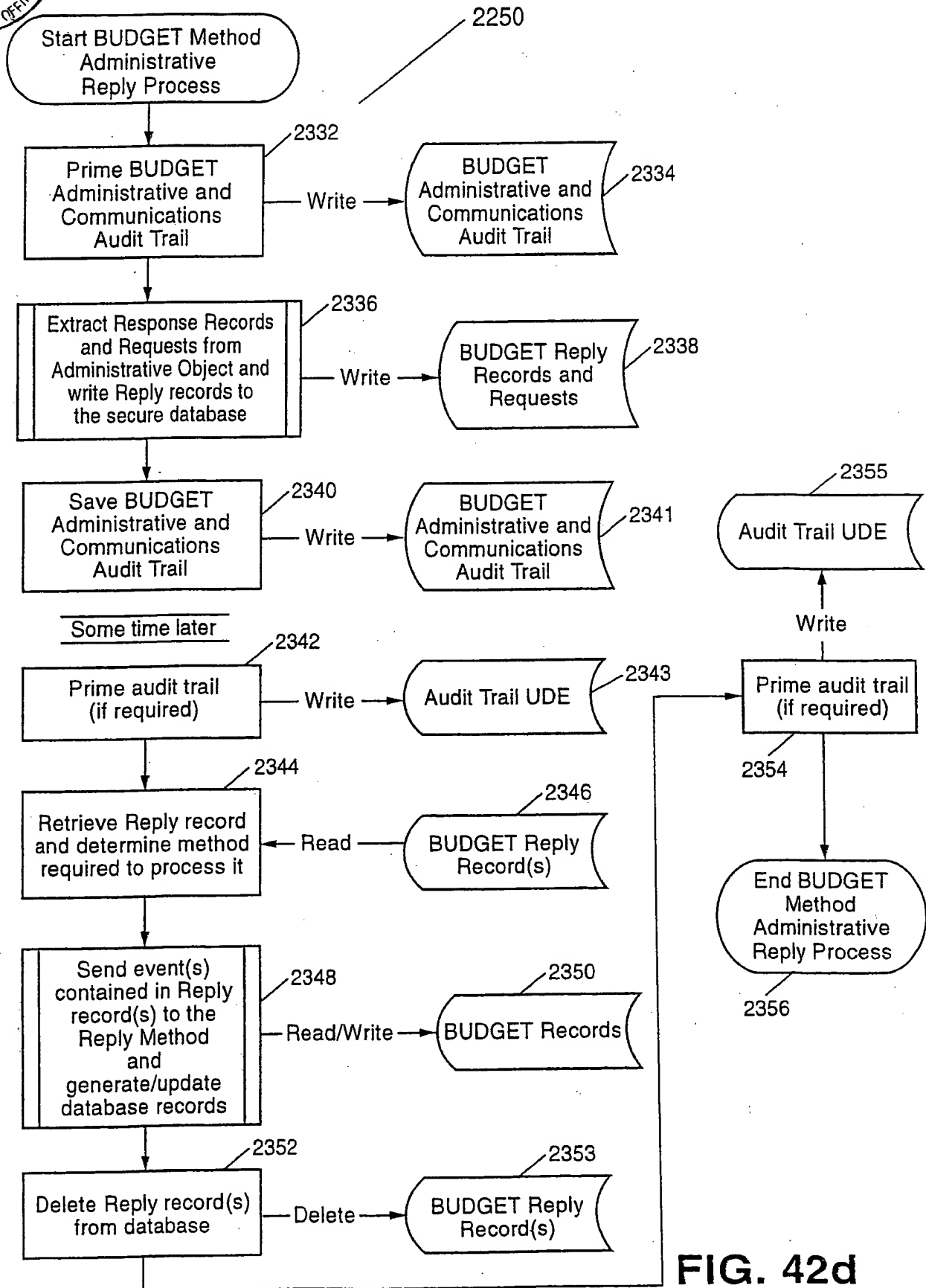


FIG. 42d



FIG. 43a

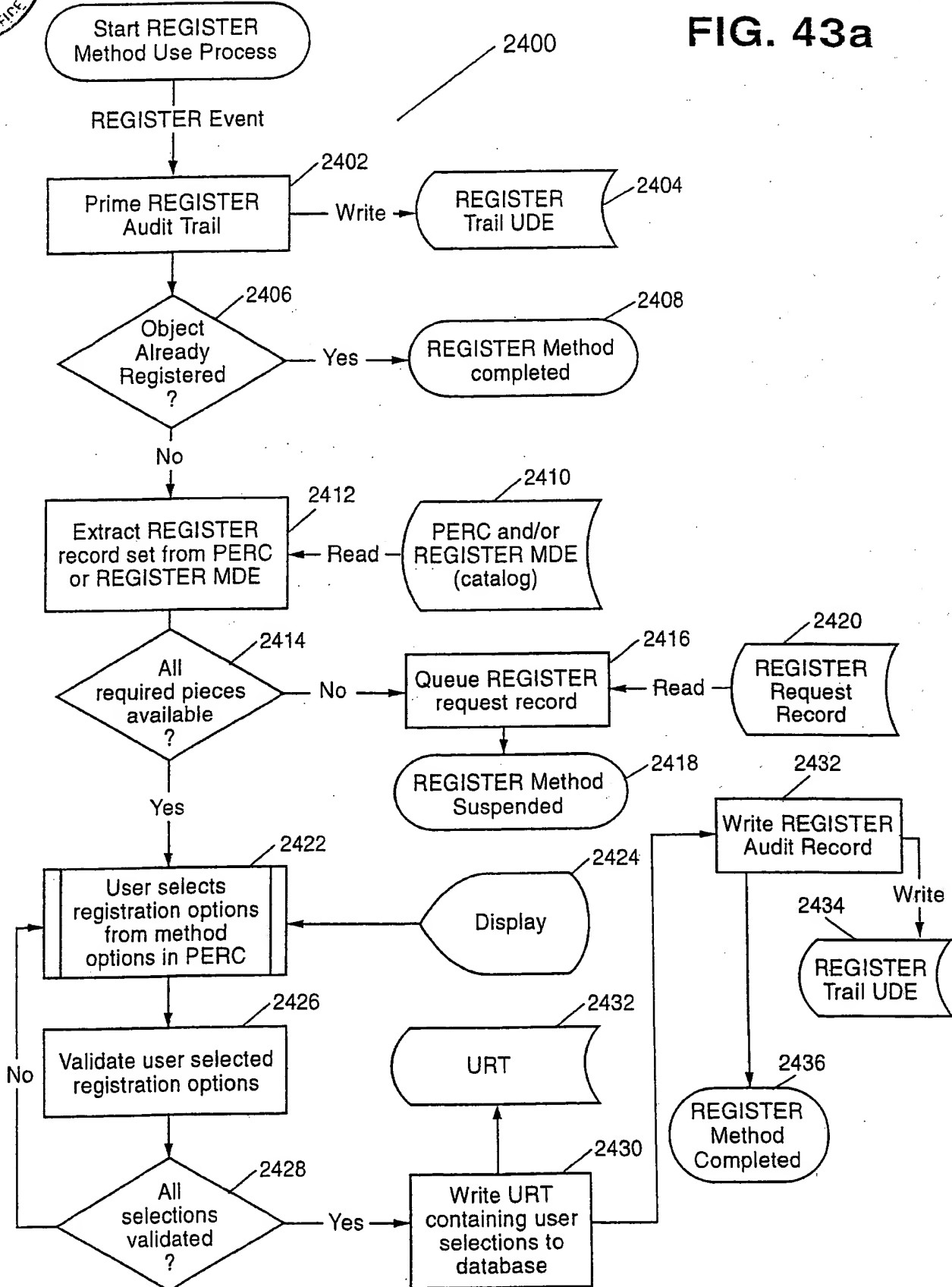




FIG. 43b

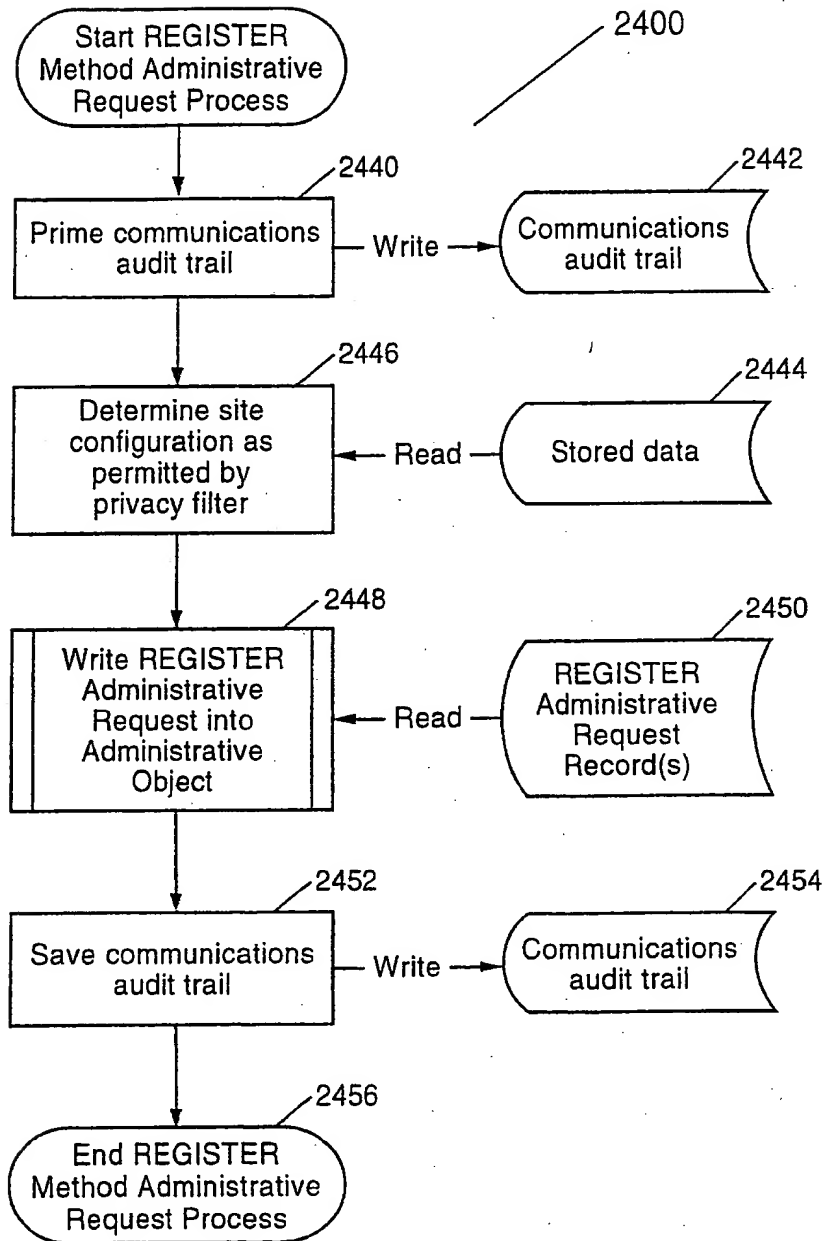




FIG. 43c

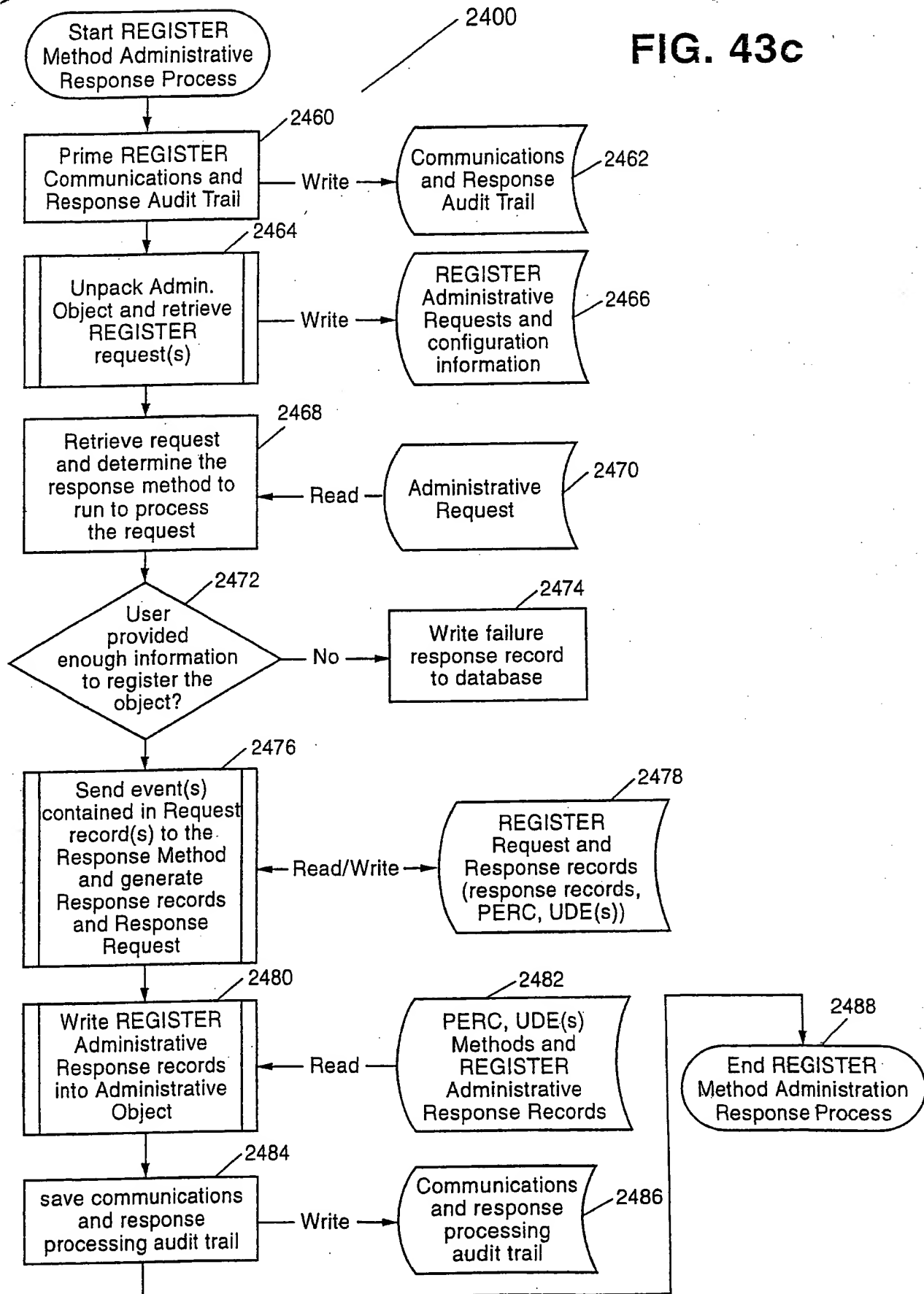




FIG. 43d

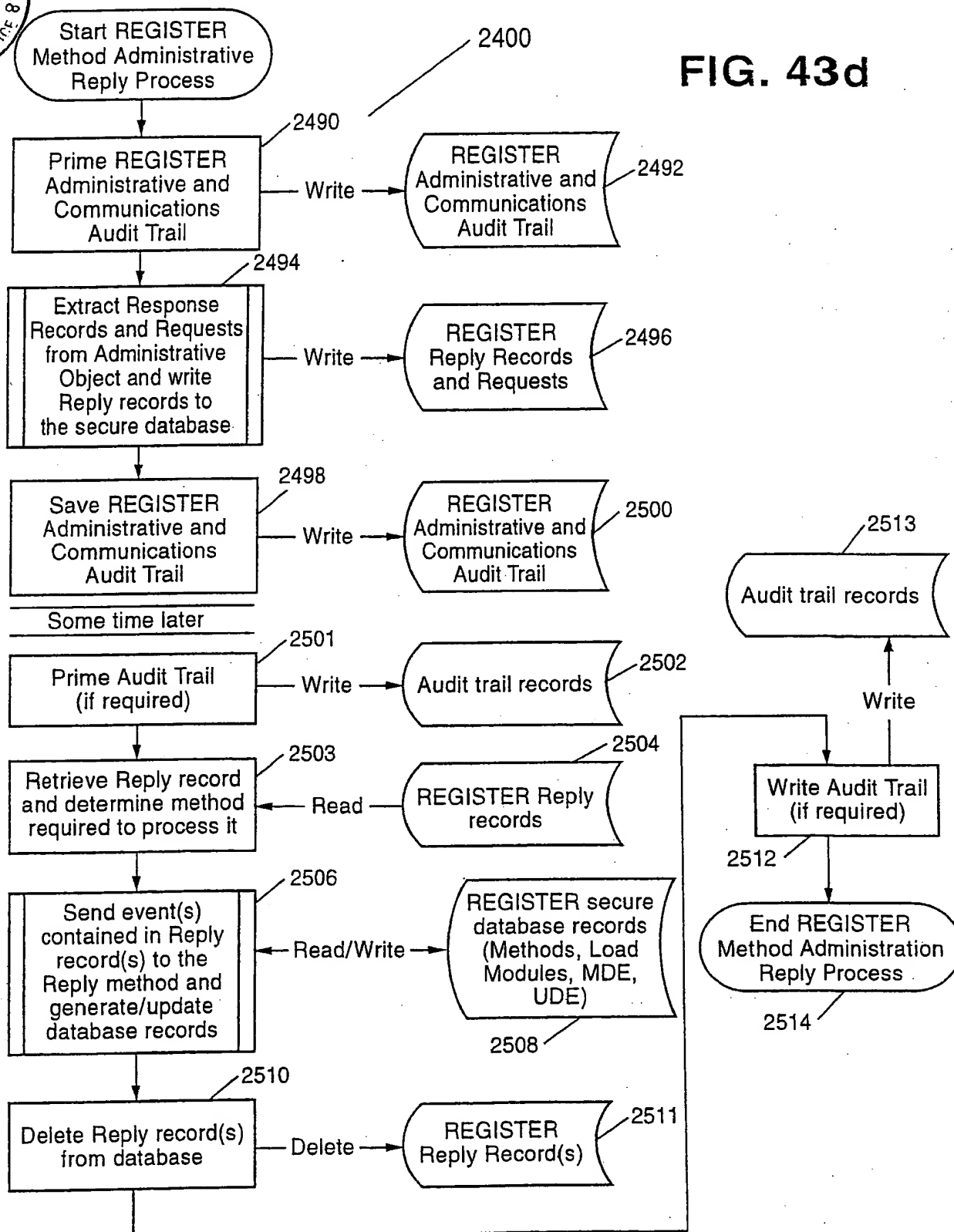




FIG. 44a

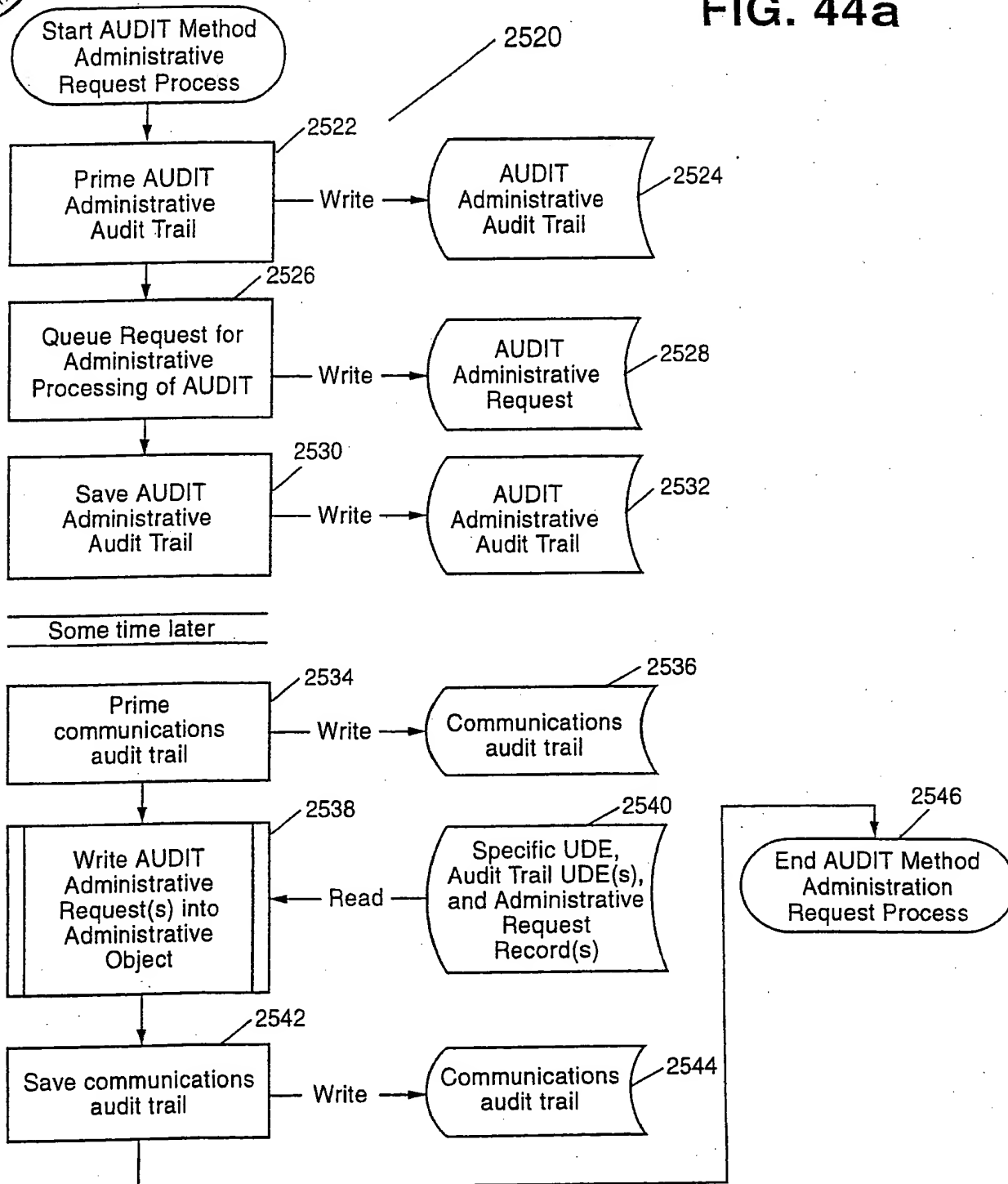




FIG. 44b

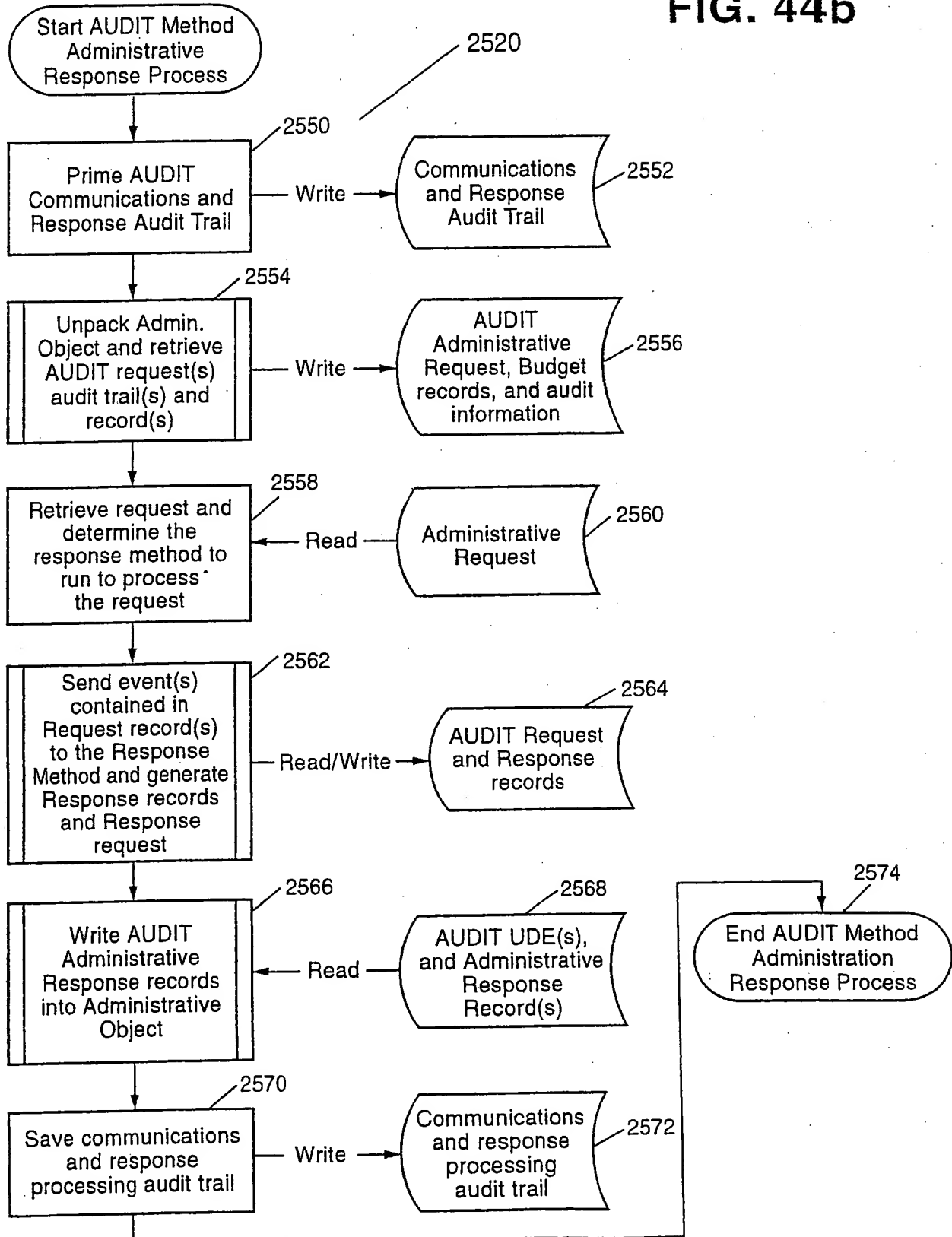




FIG. 44c

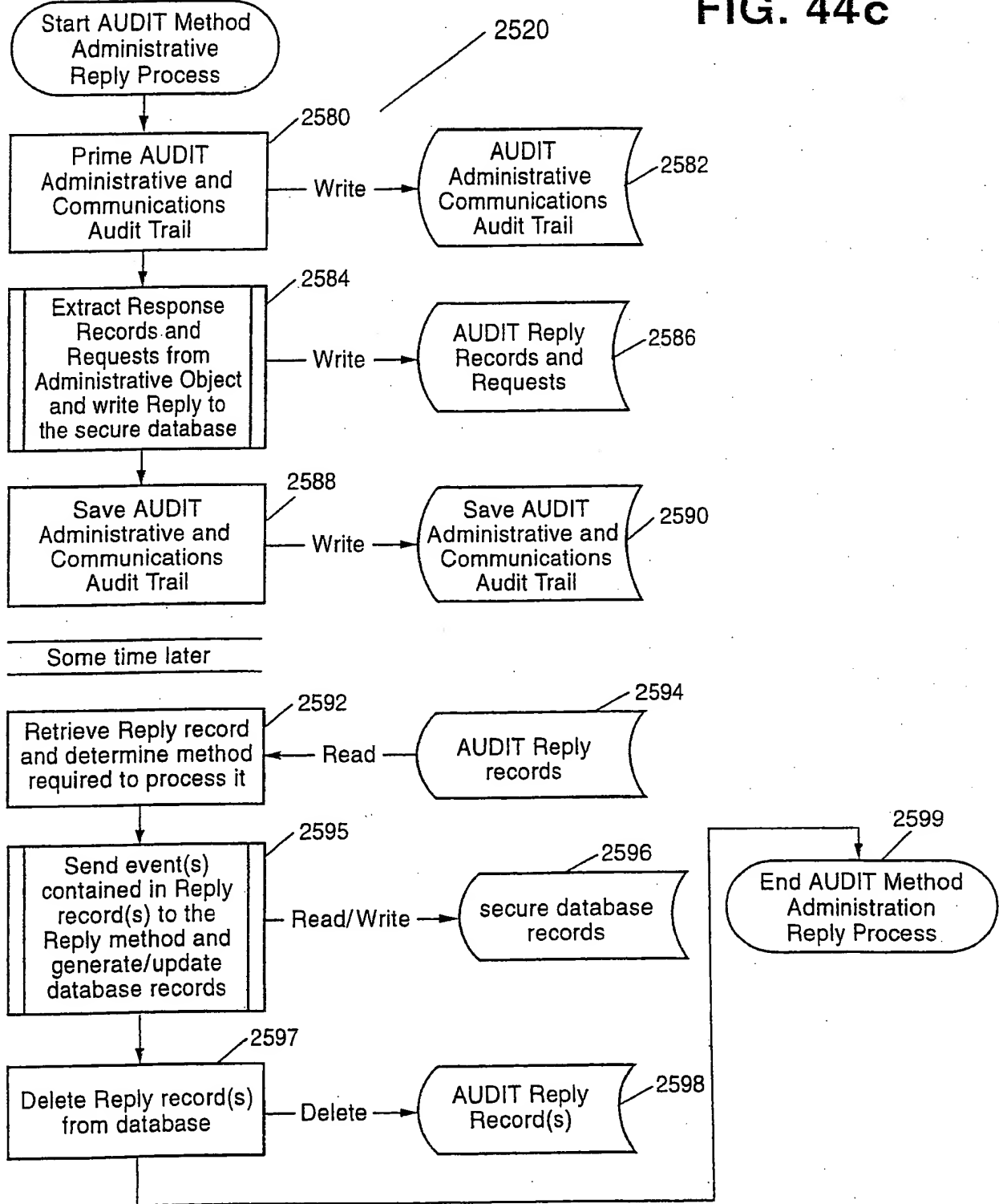




FIG. 45

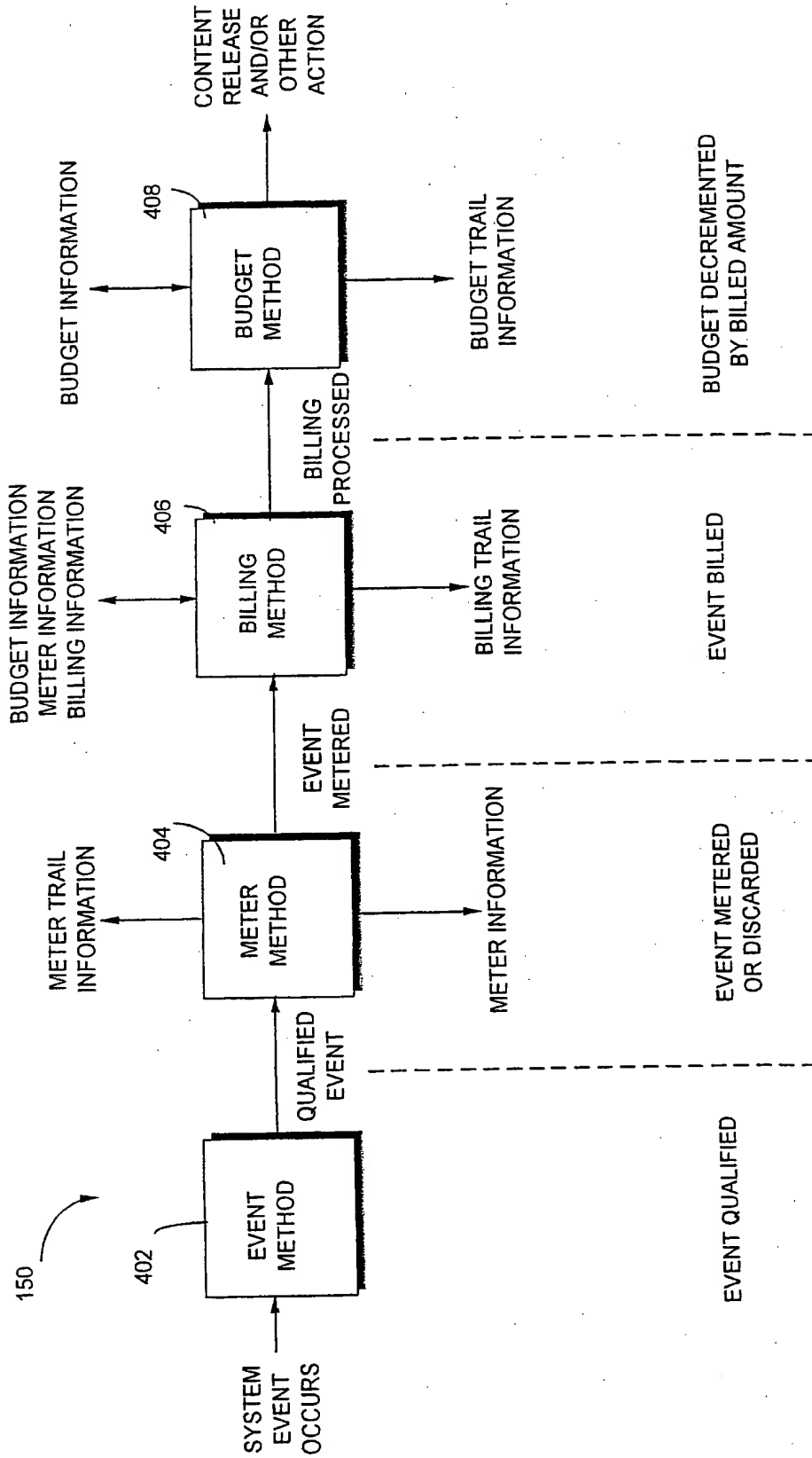




FIG. 46

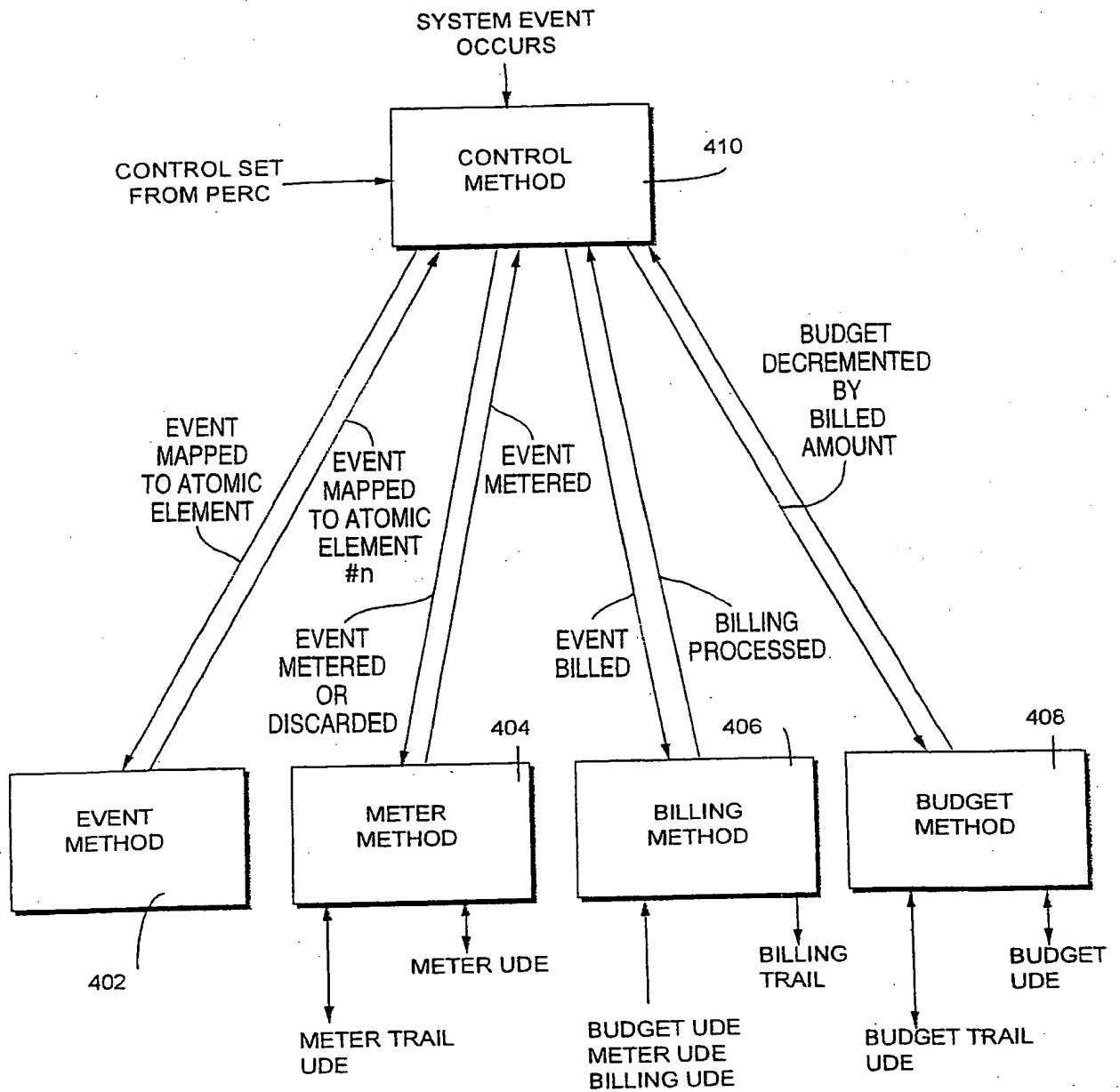
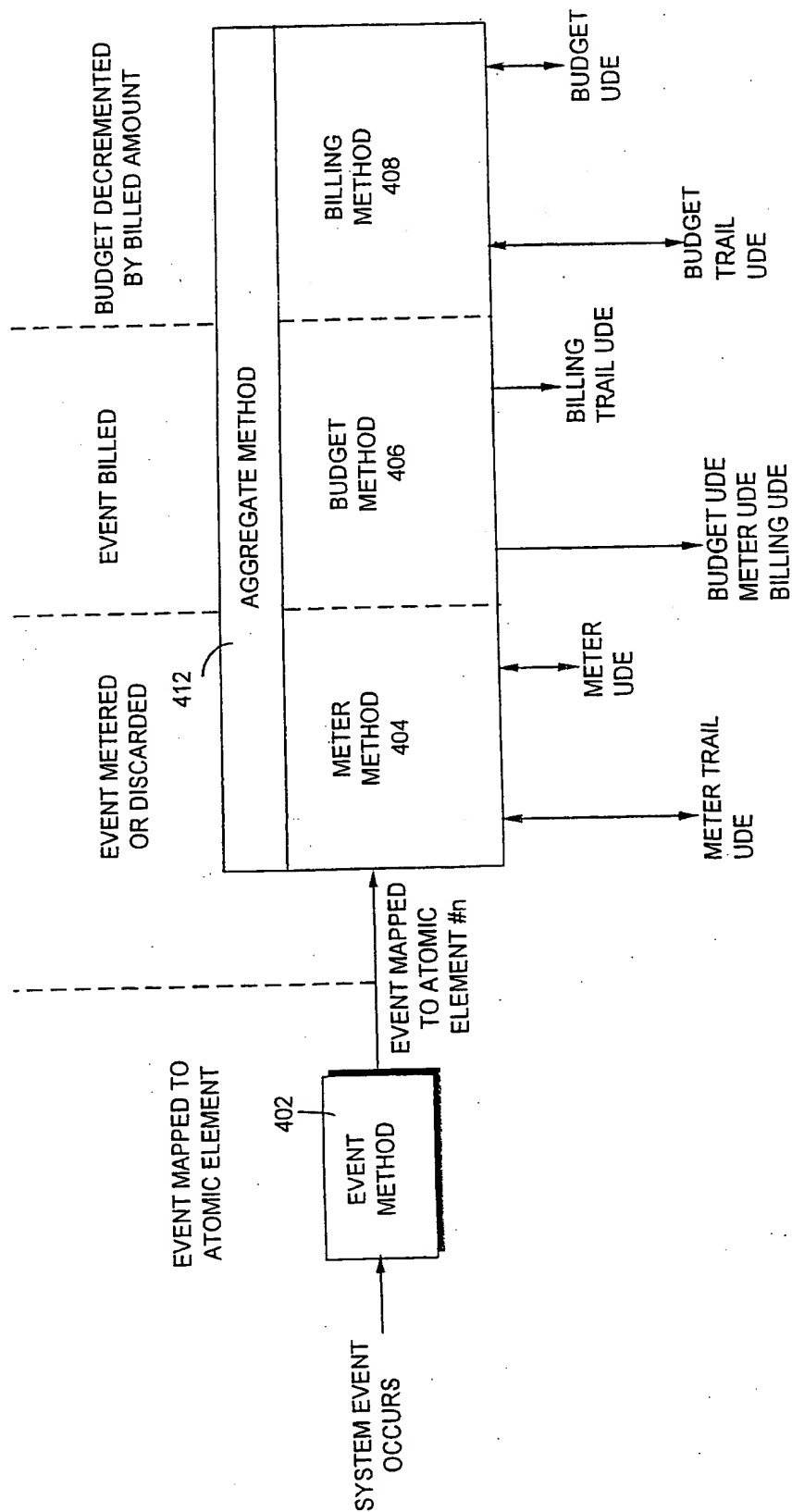
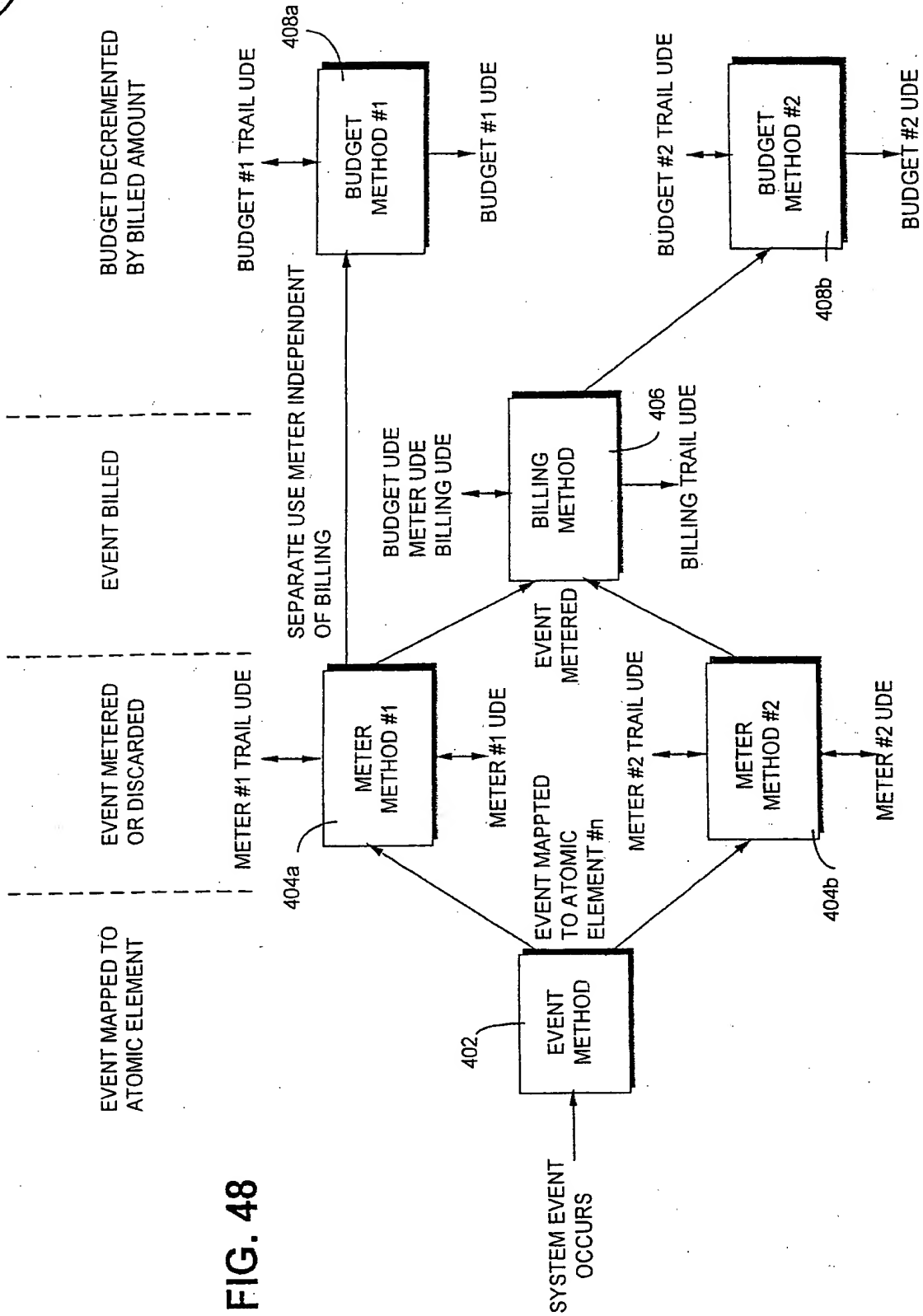




FIG. 47





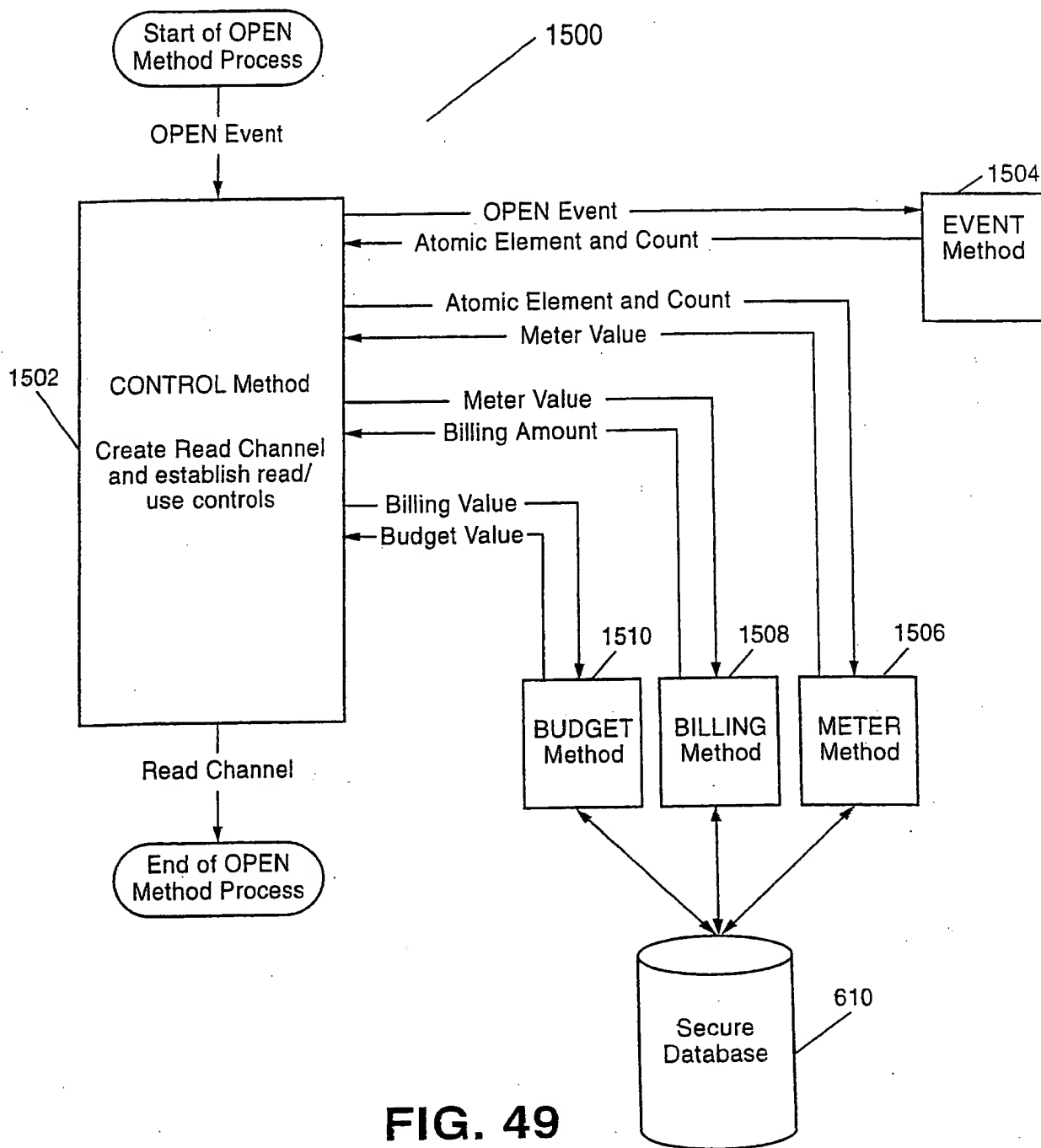
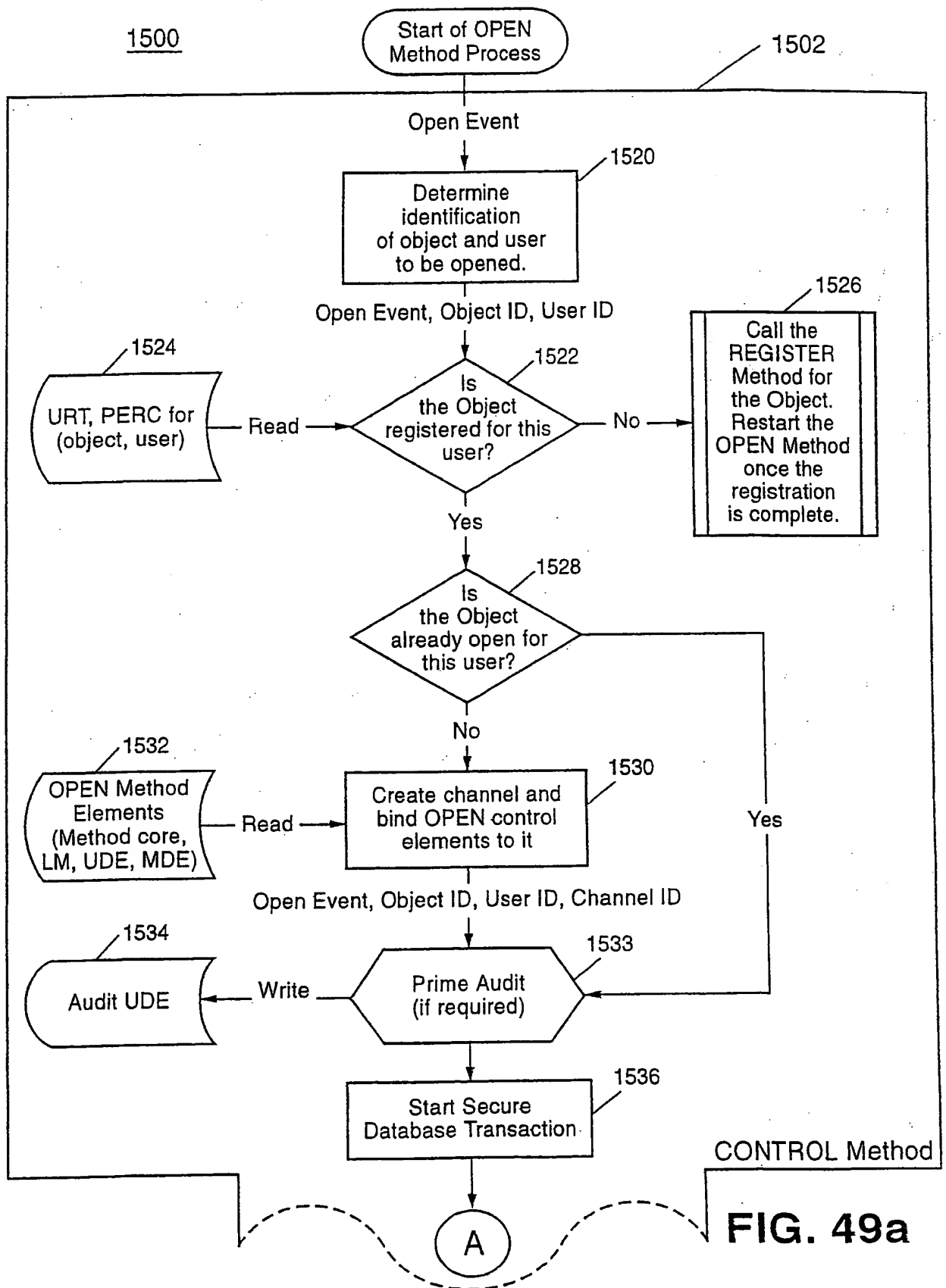


FIG. 49



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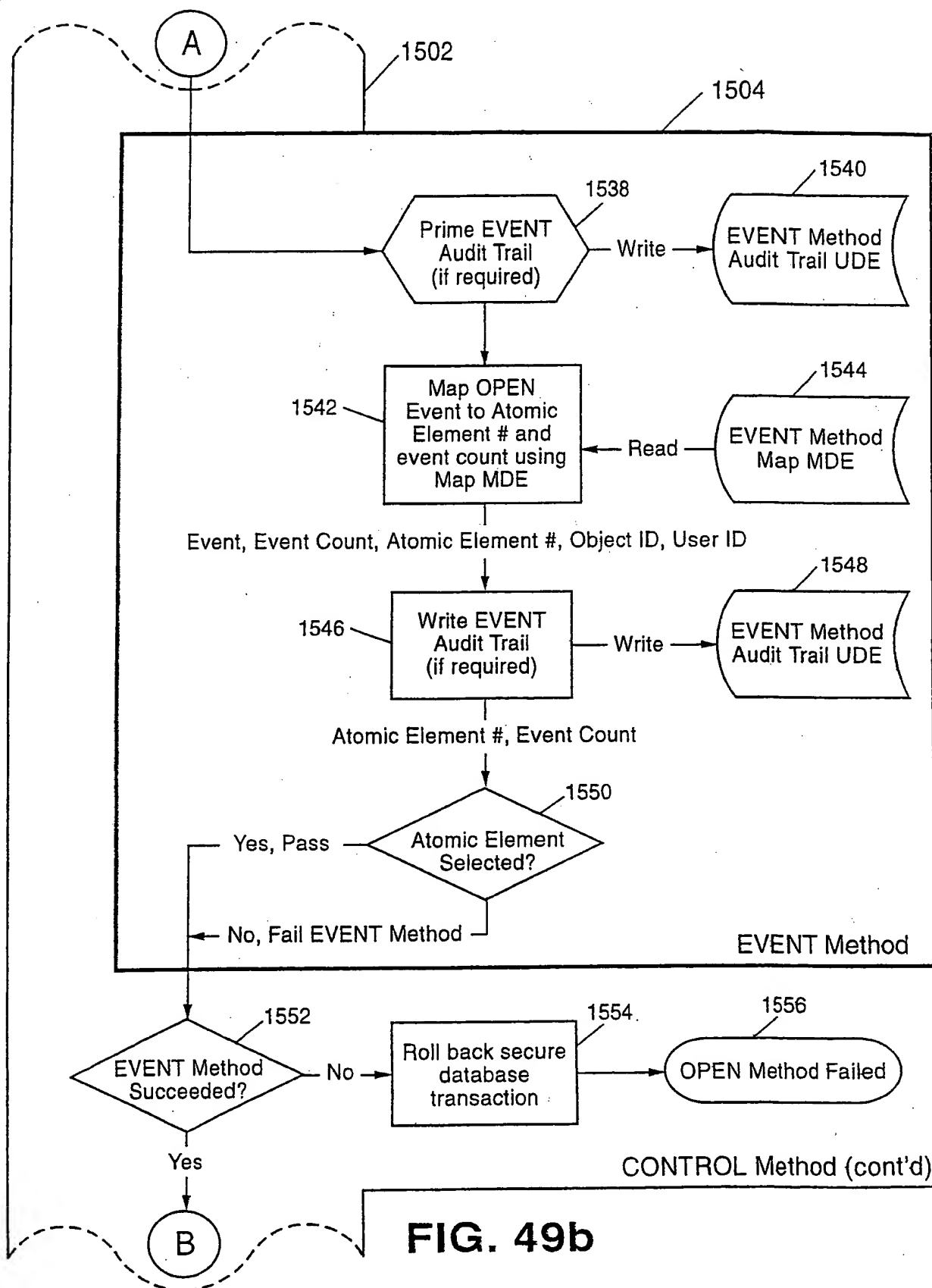


FIG. 49b

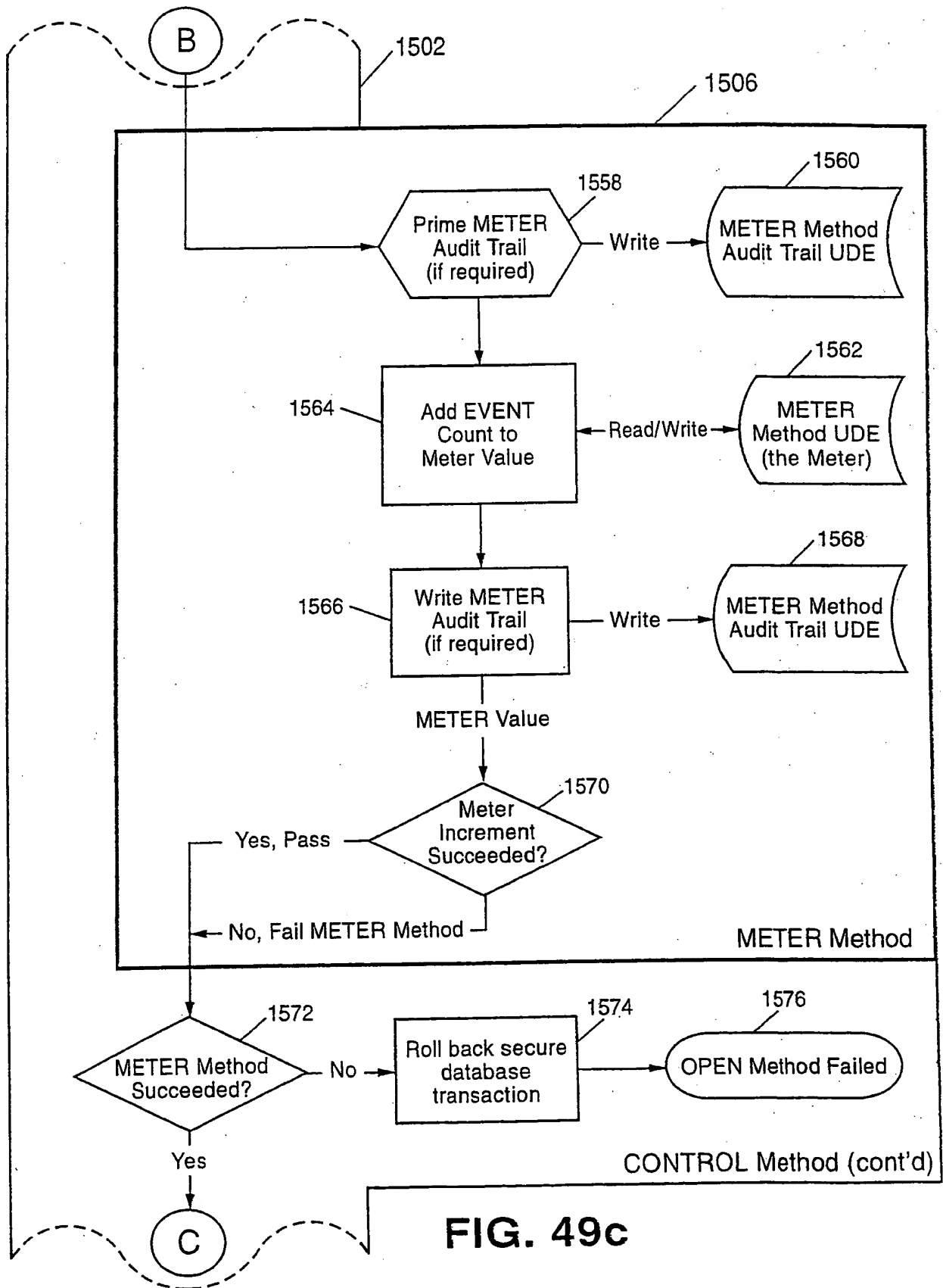
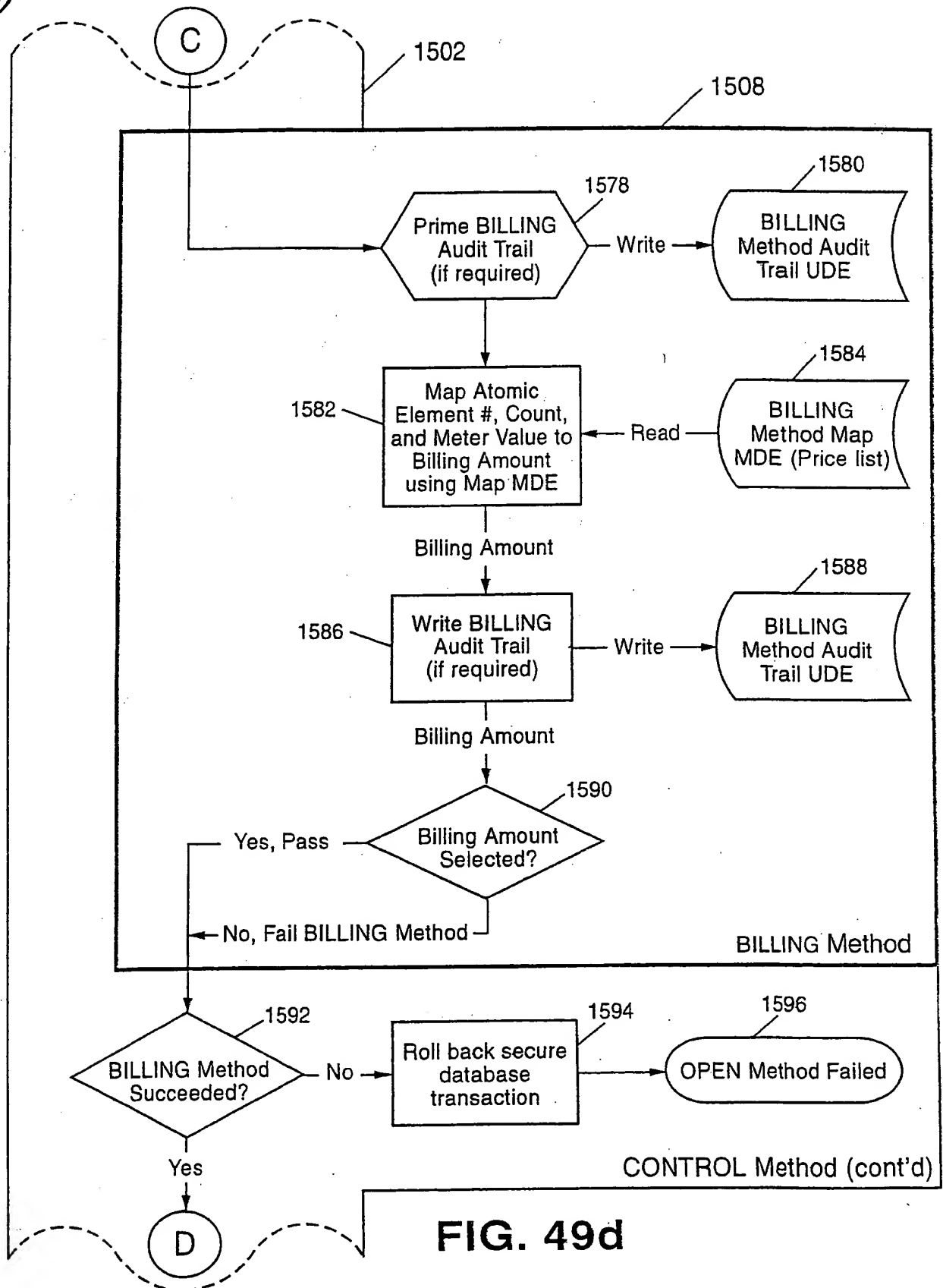
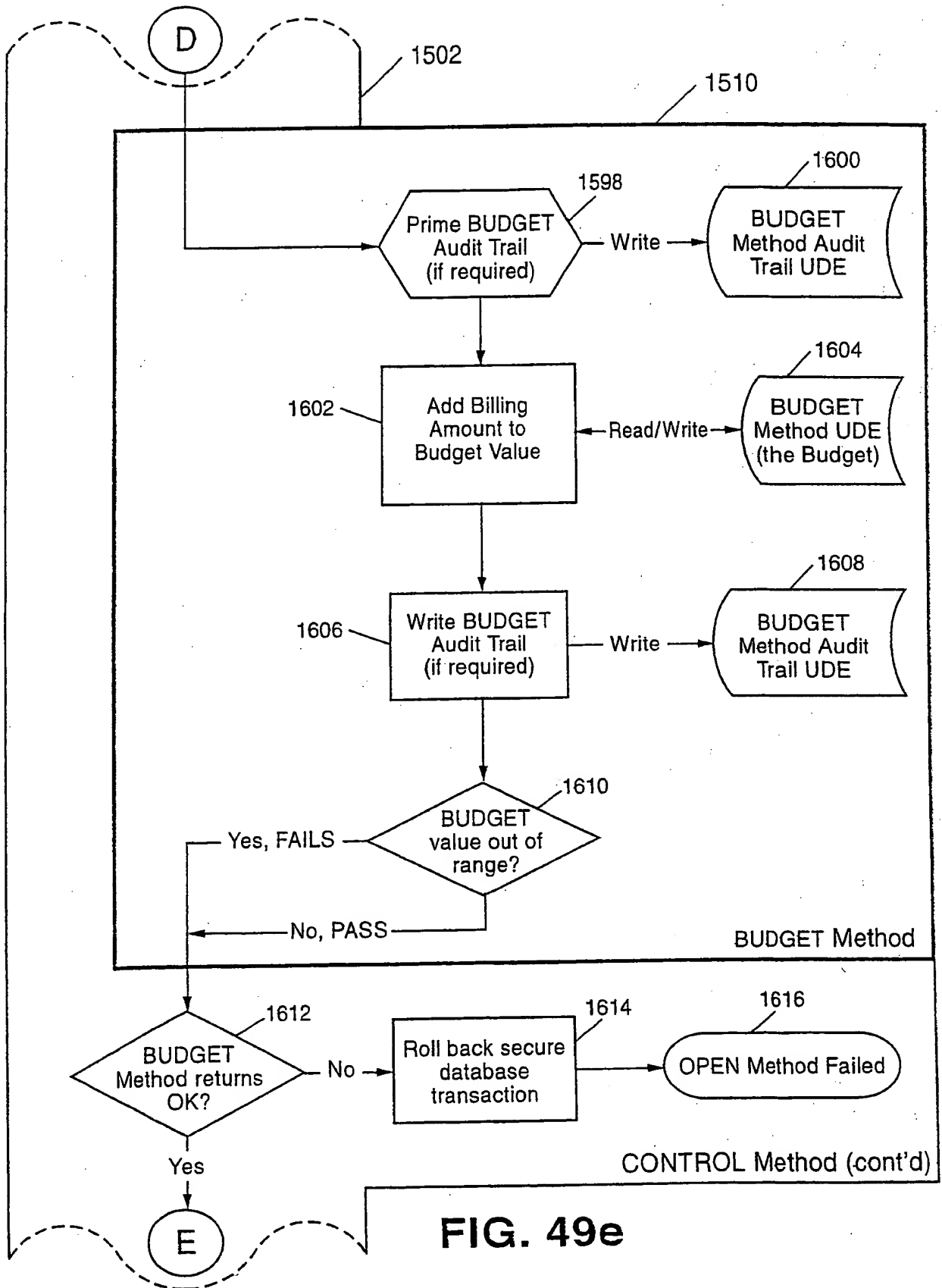
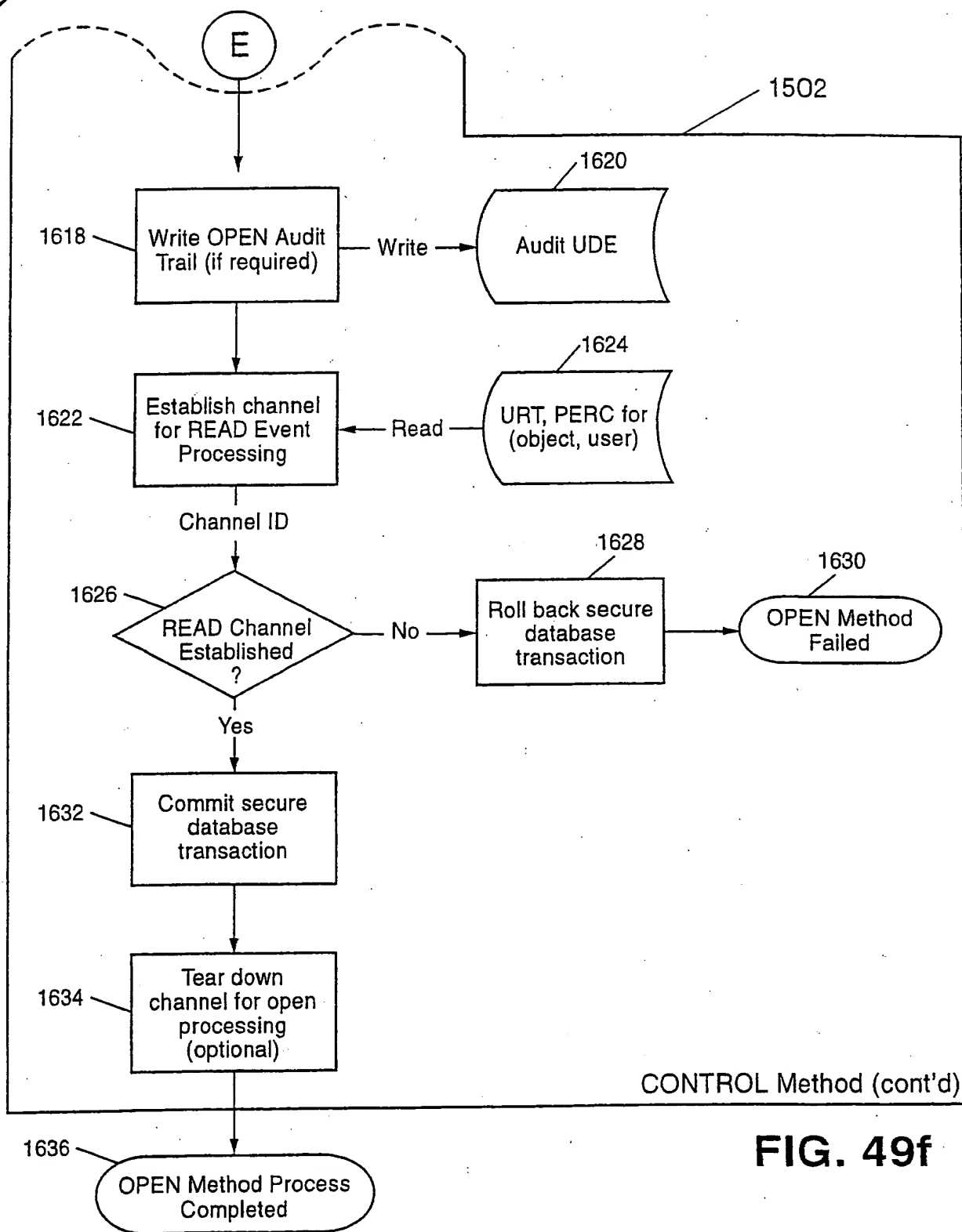


FIG. 49c







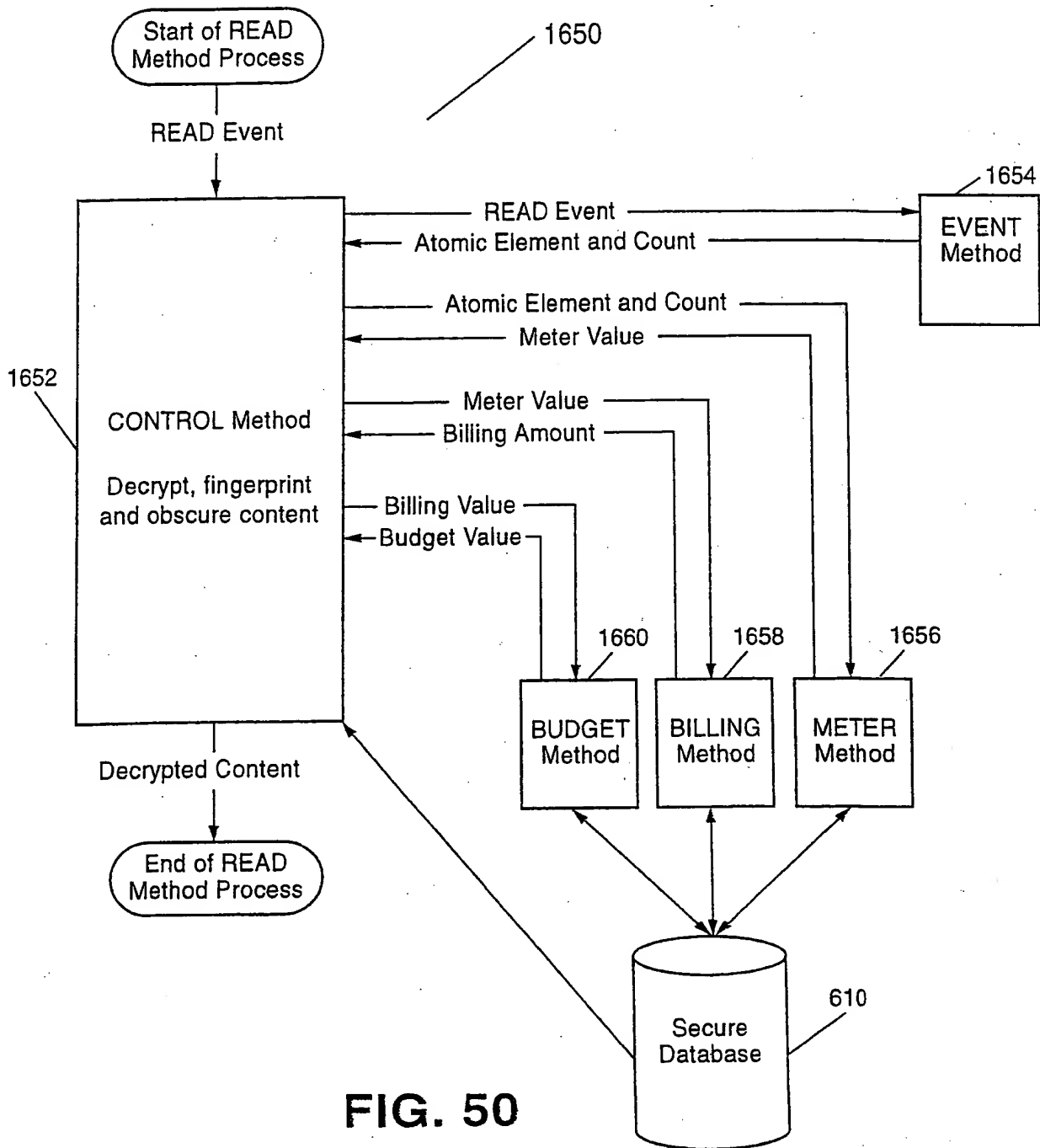
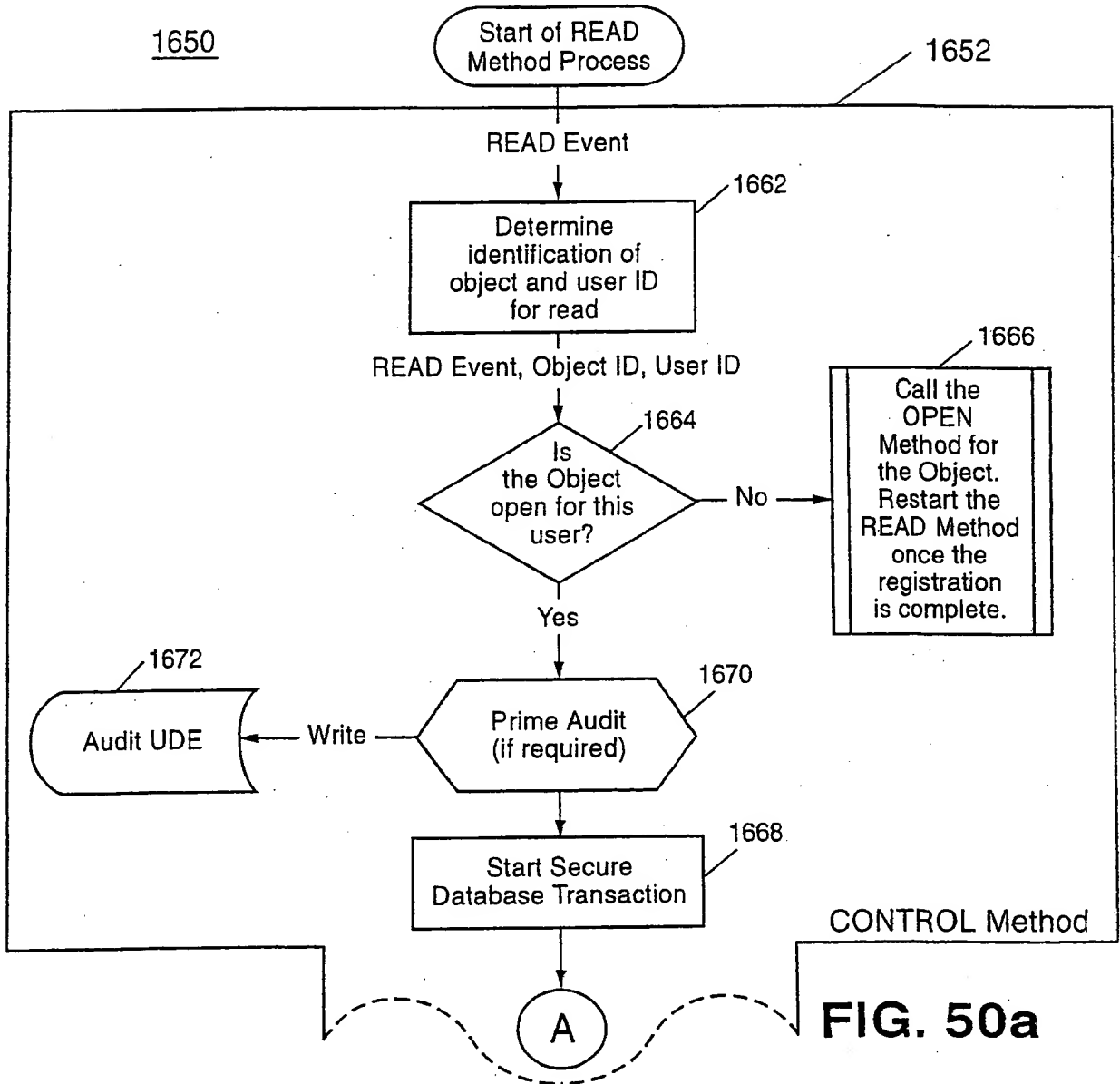
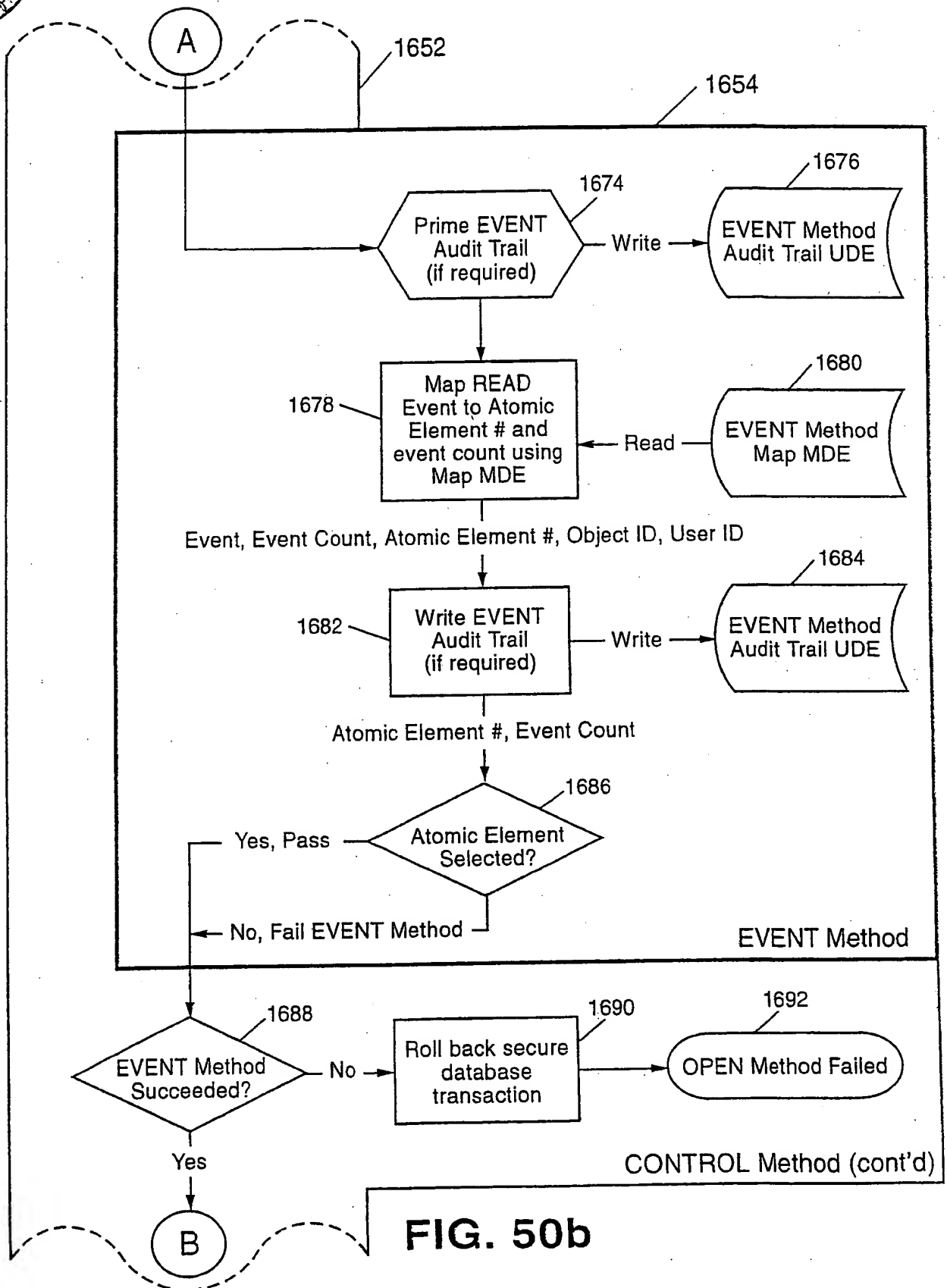
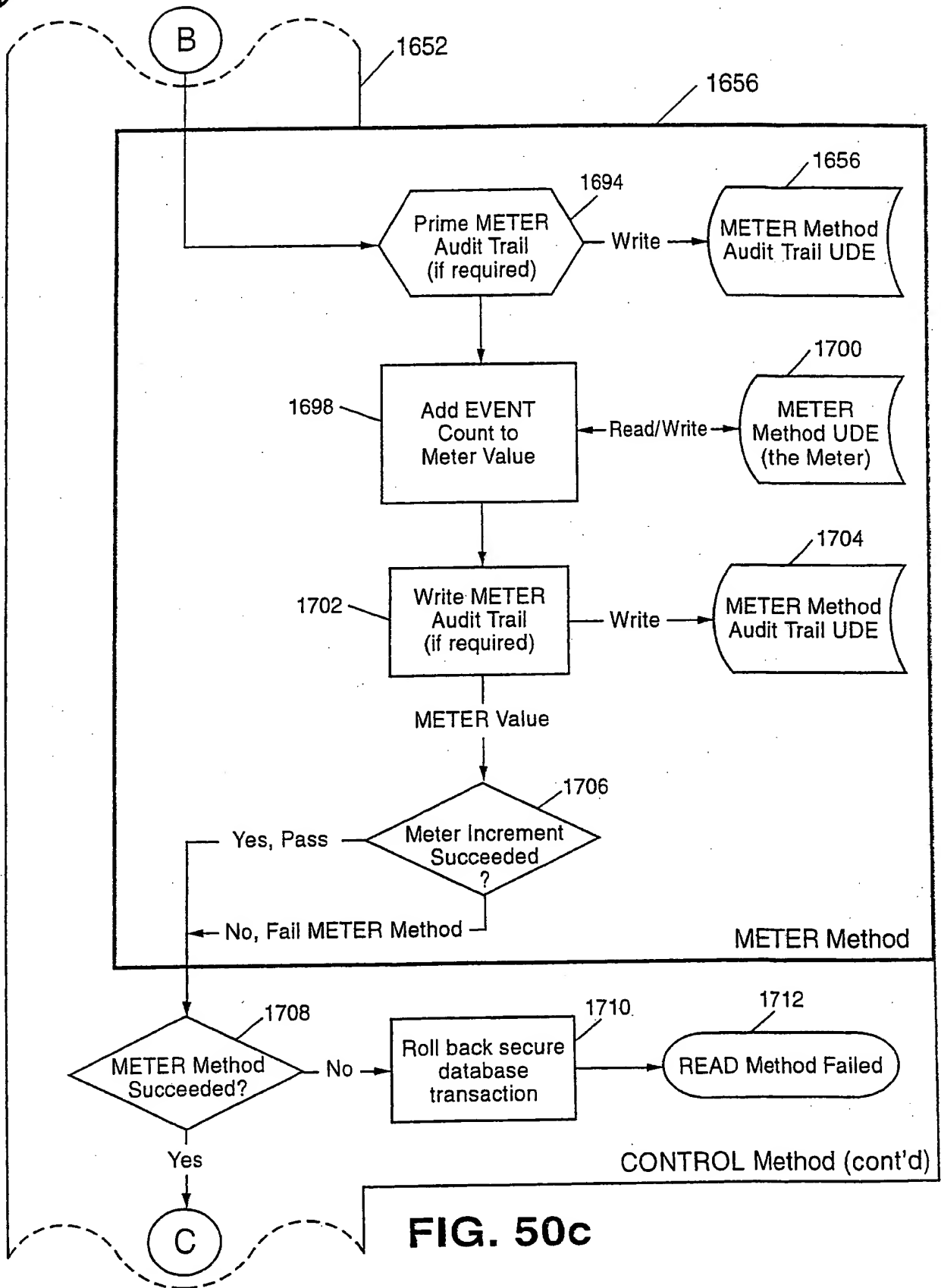
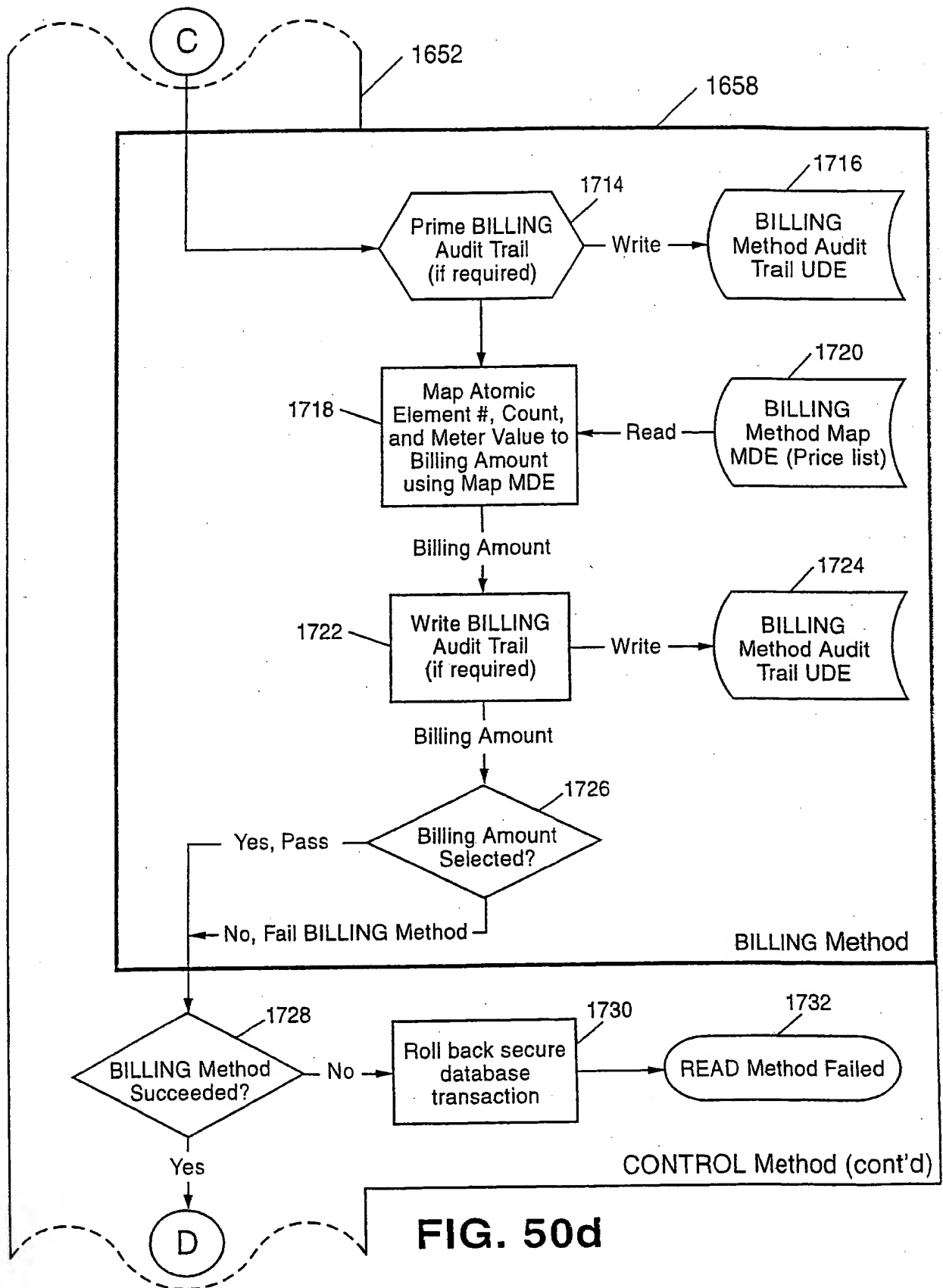


FIG. 50









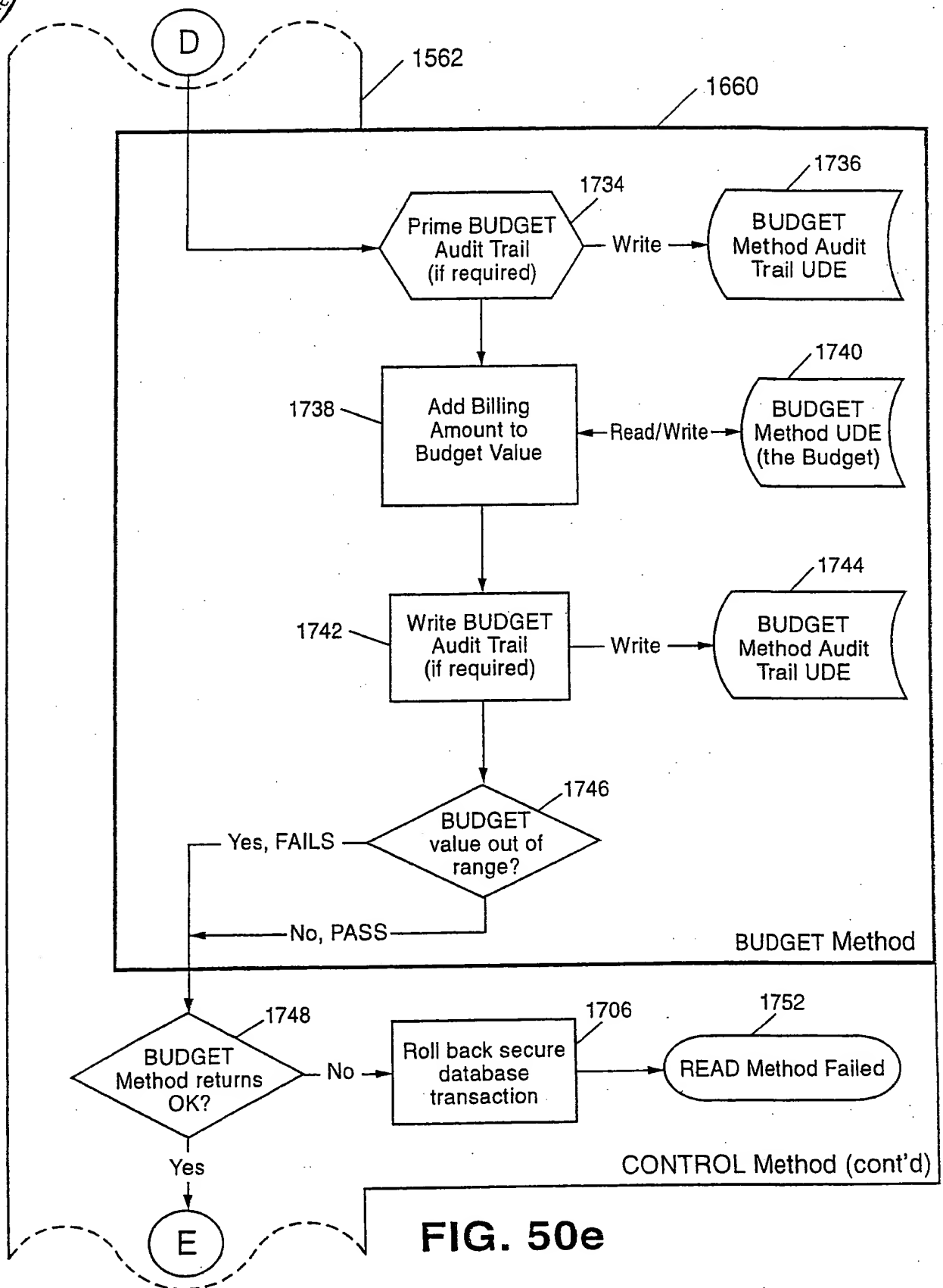
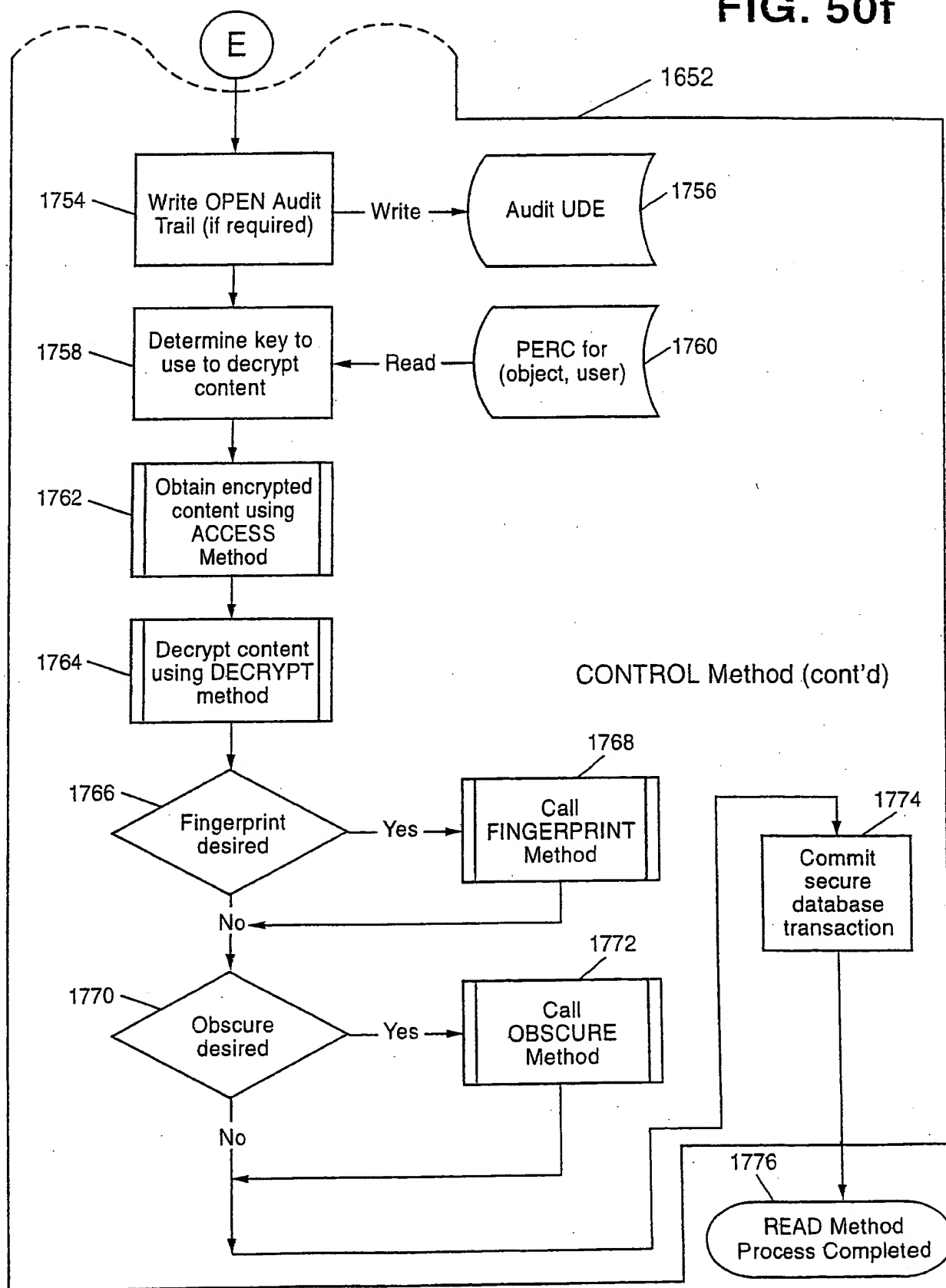
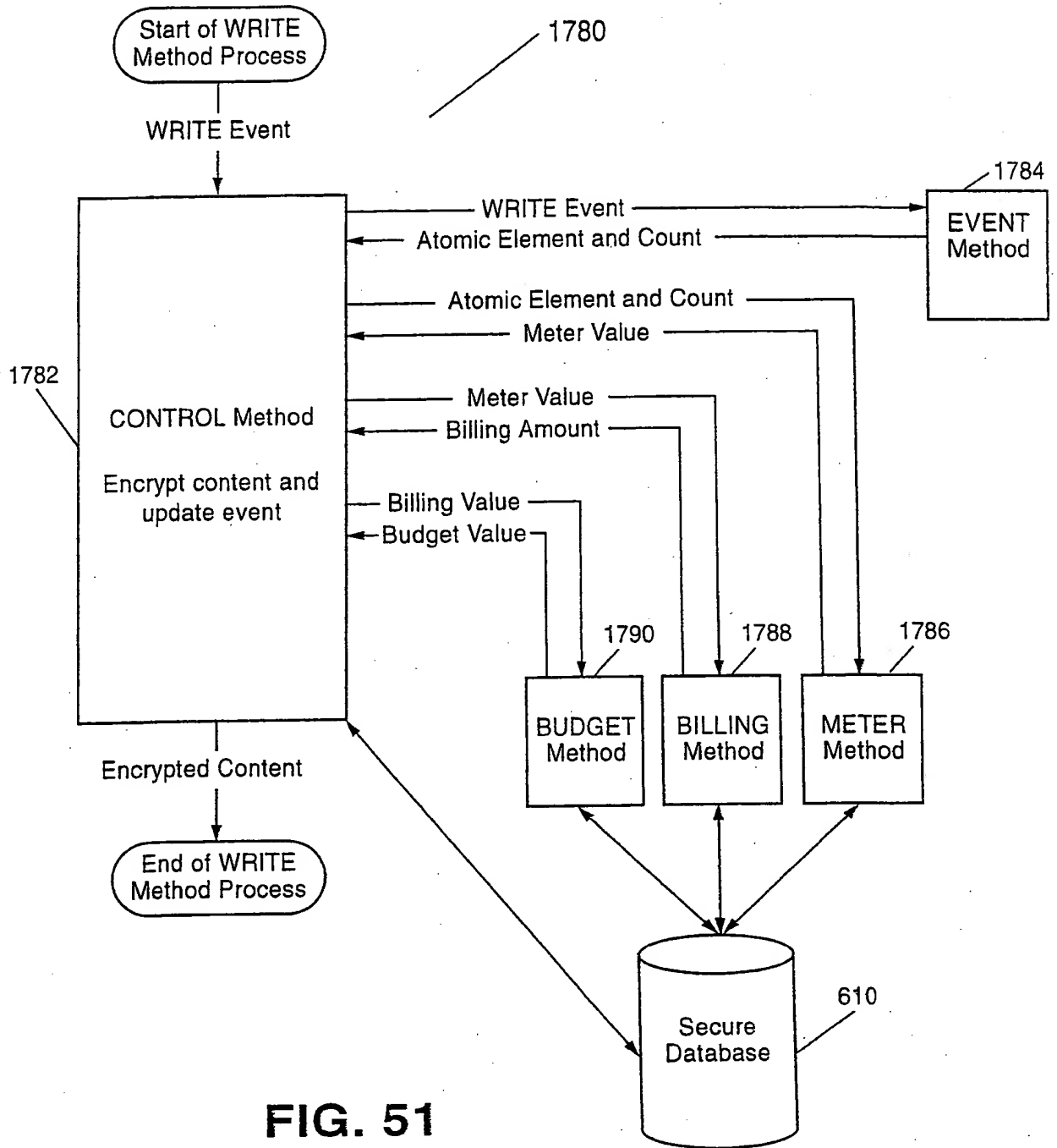




FIG. 50f





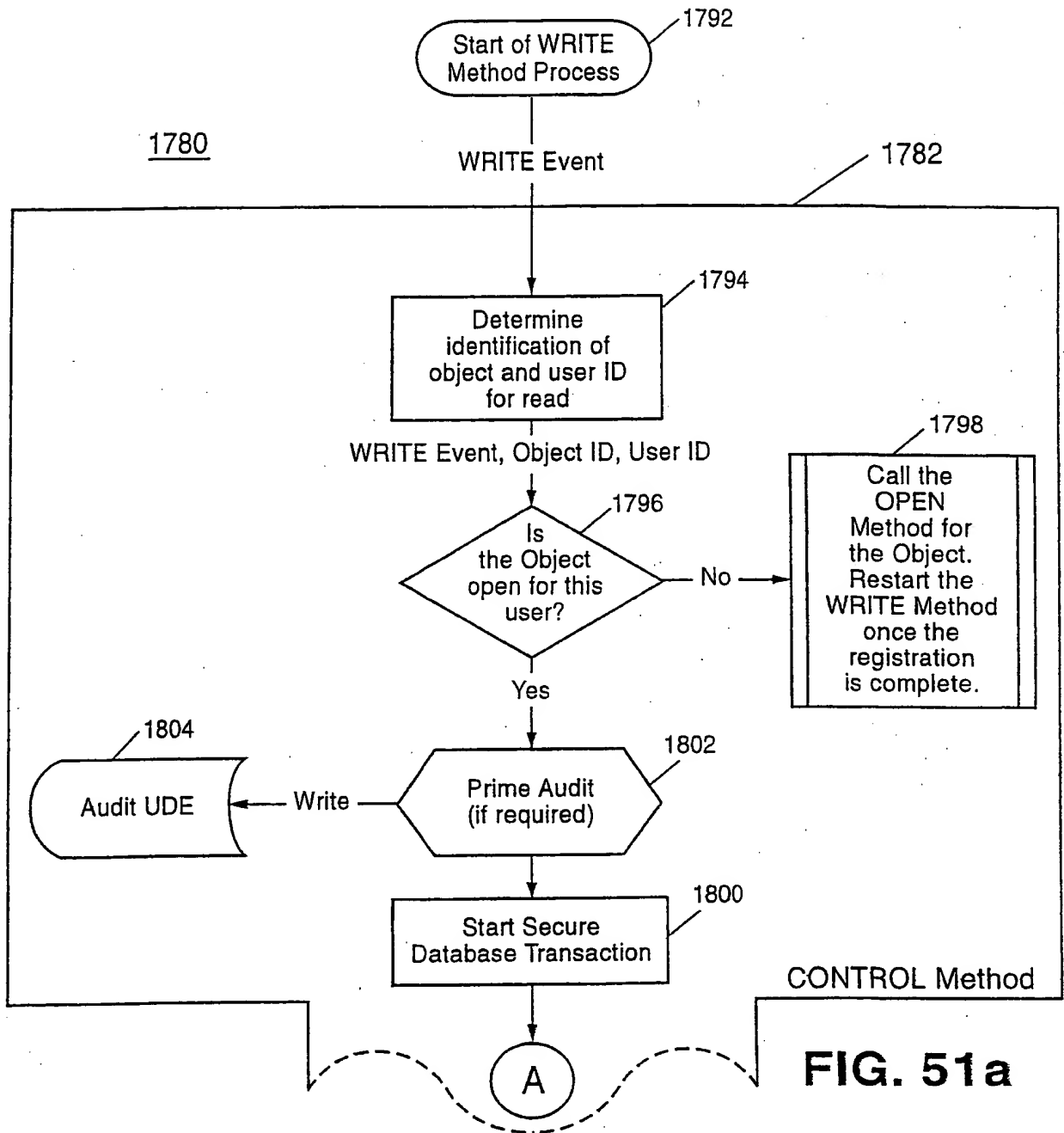
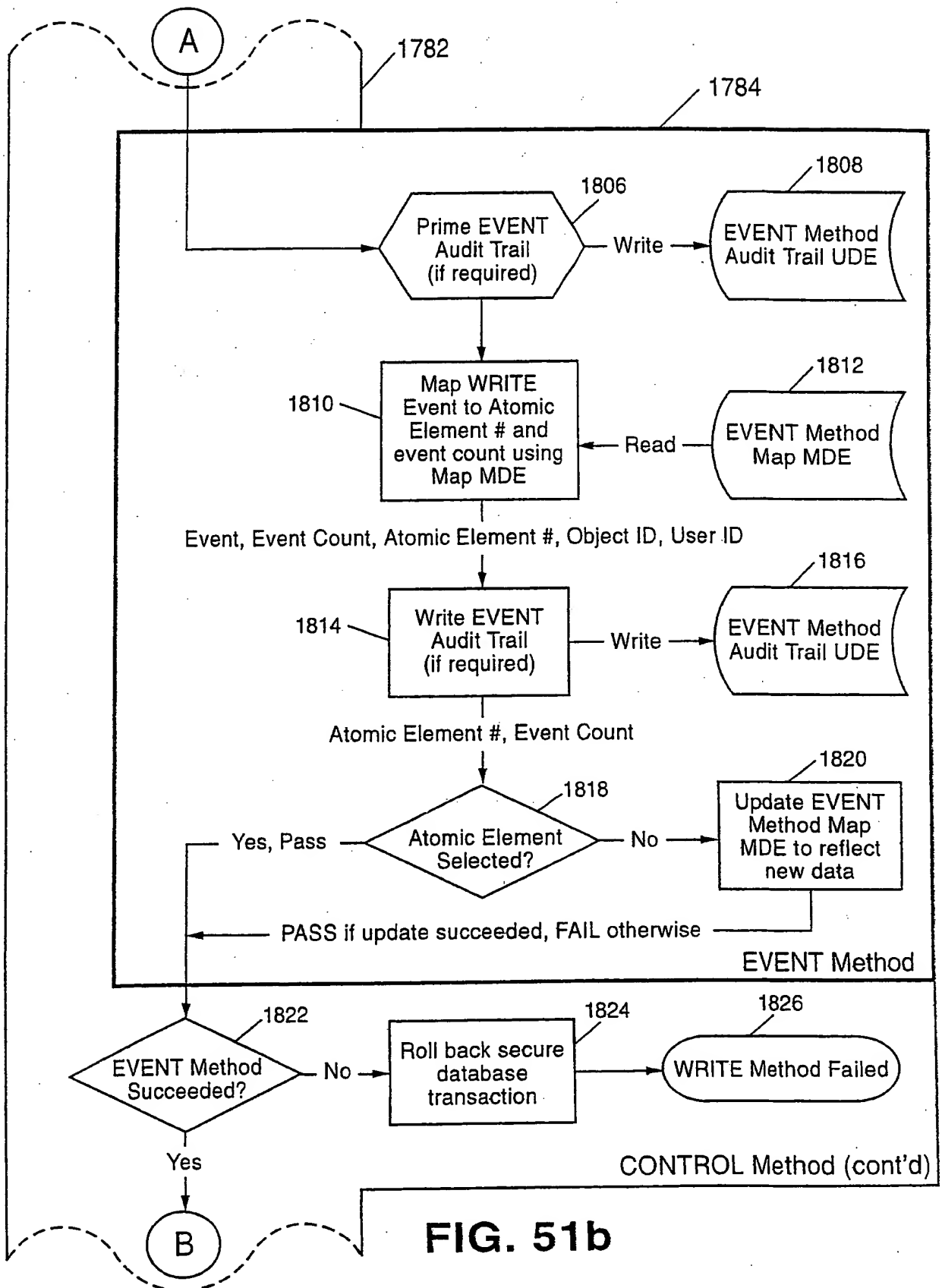
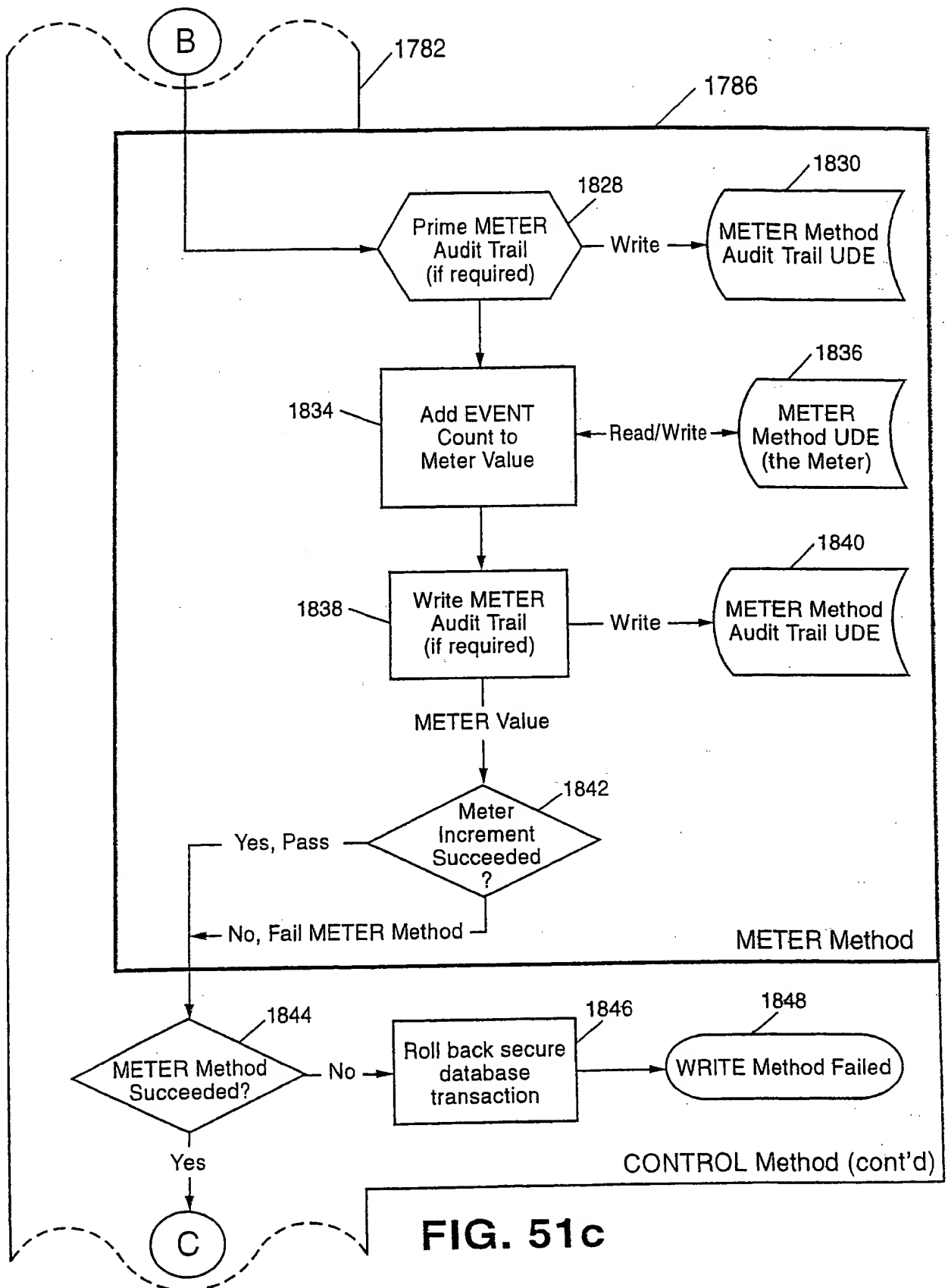
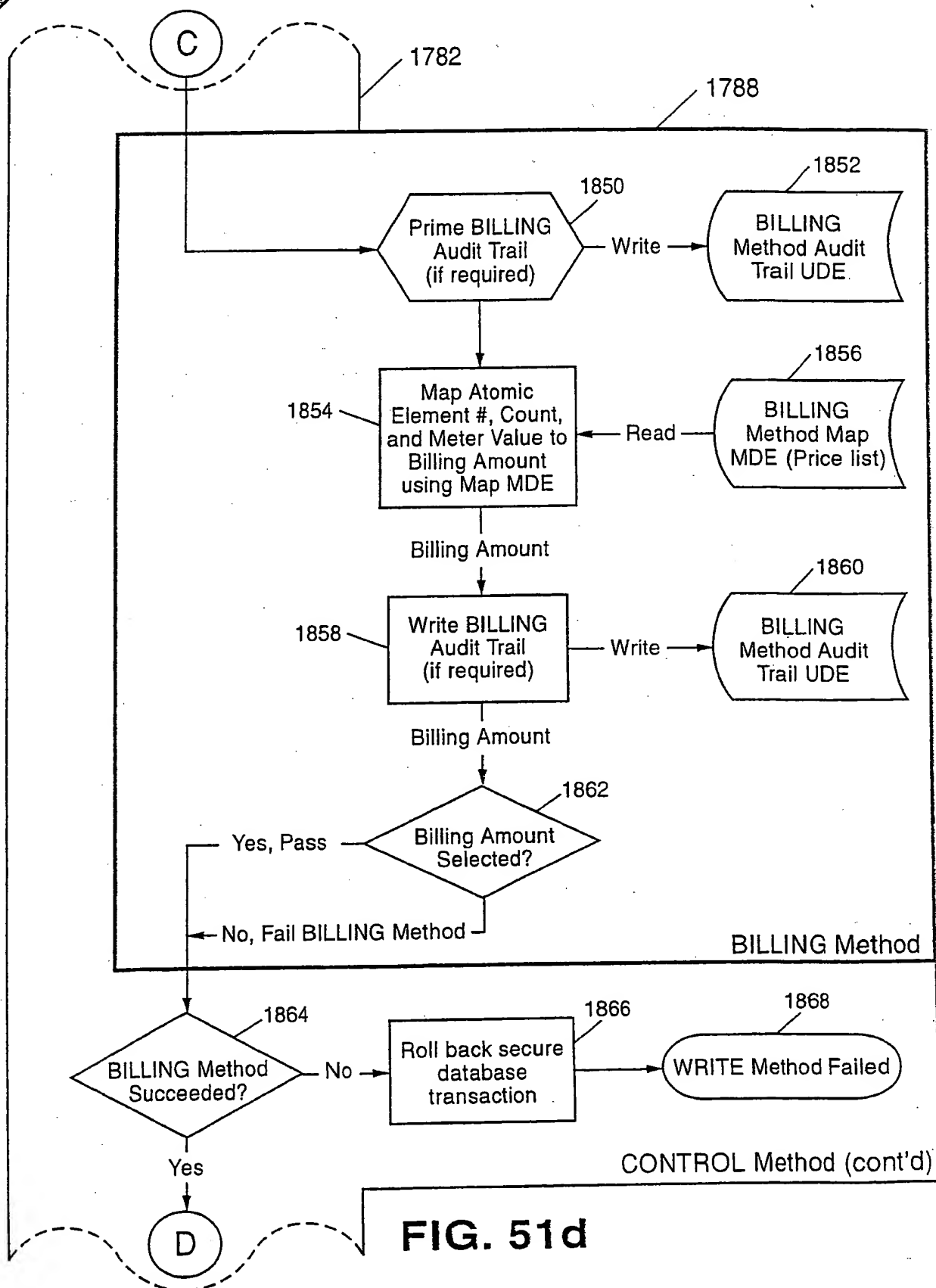


FIG. 51a

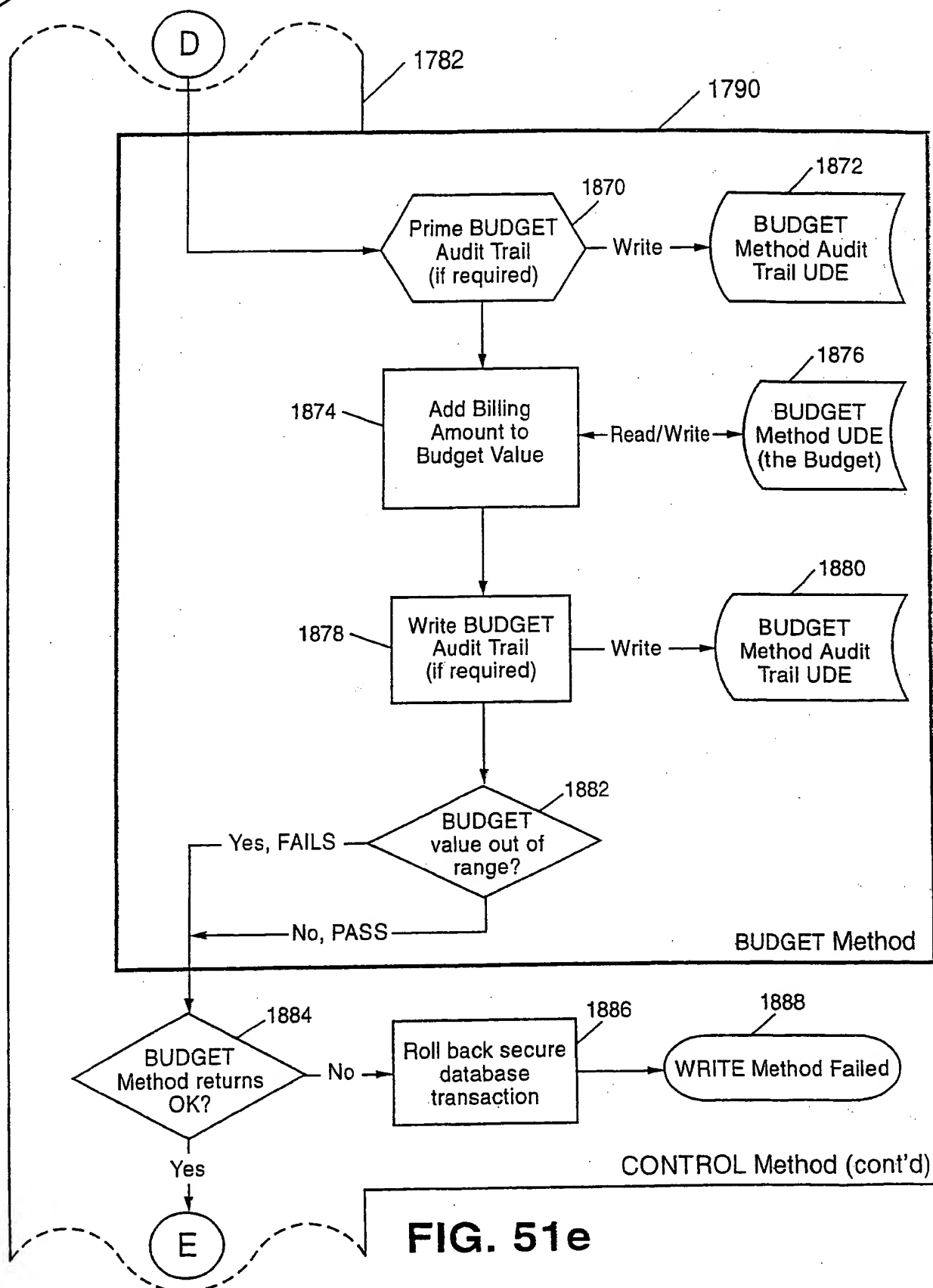


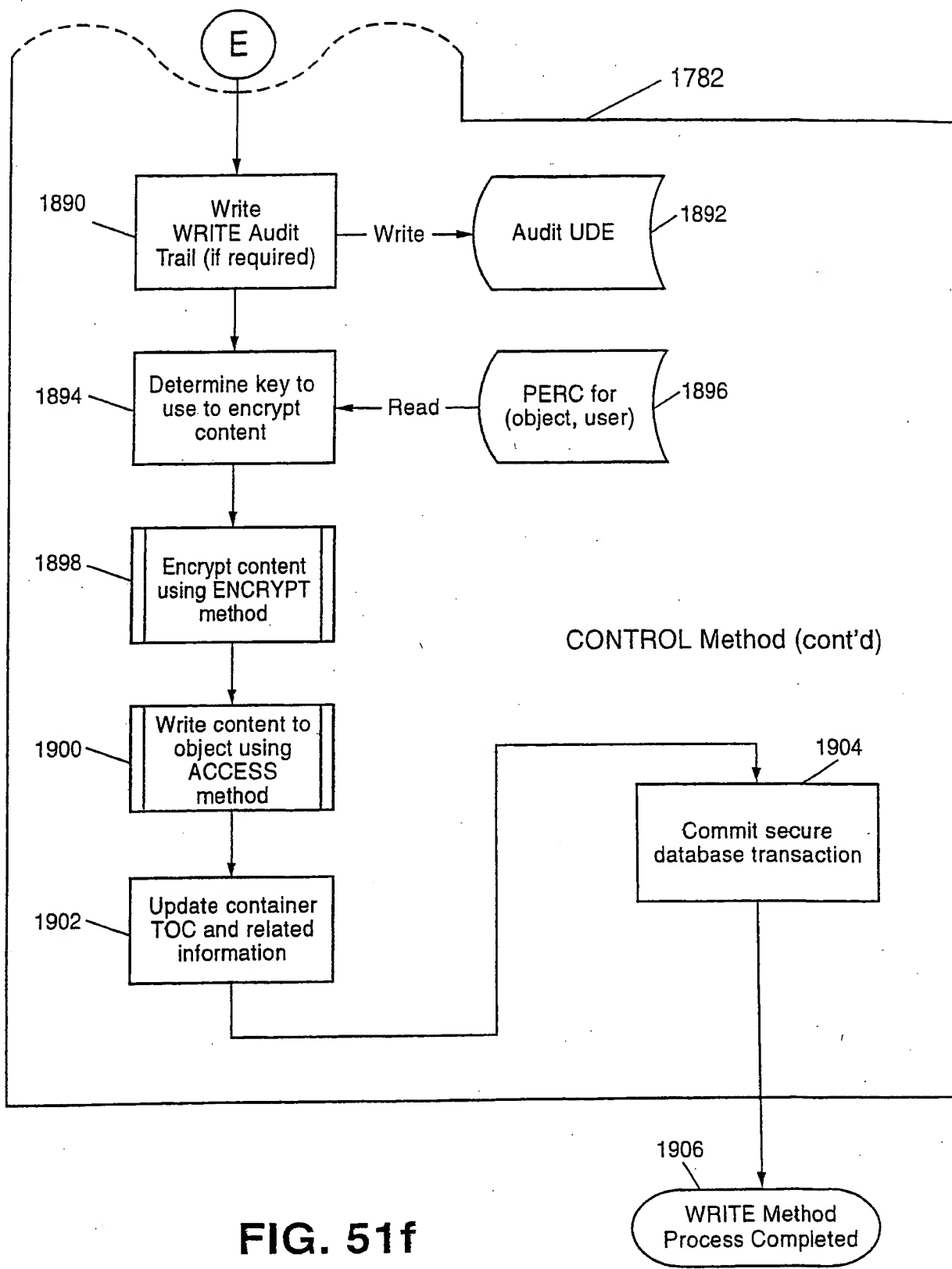


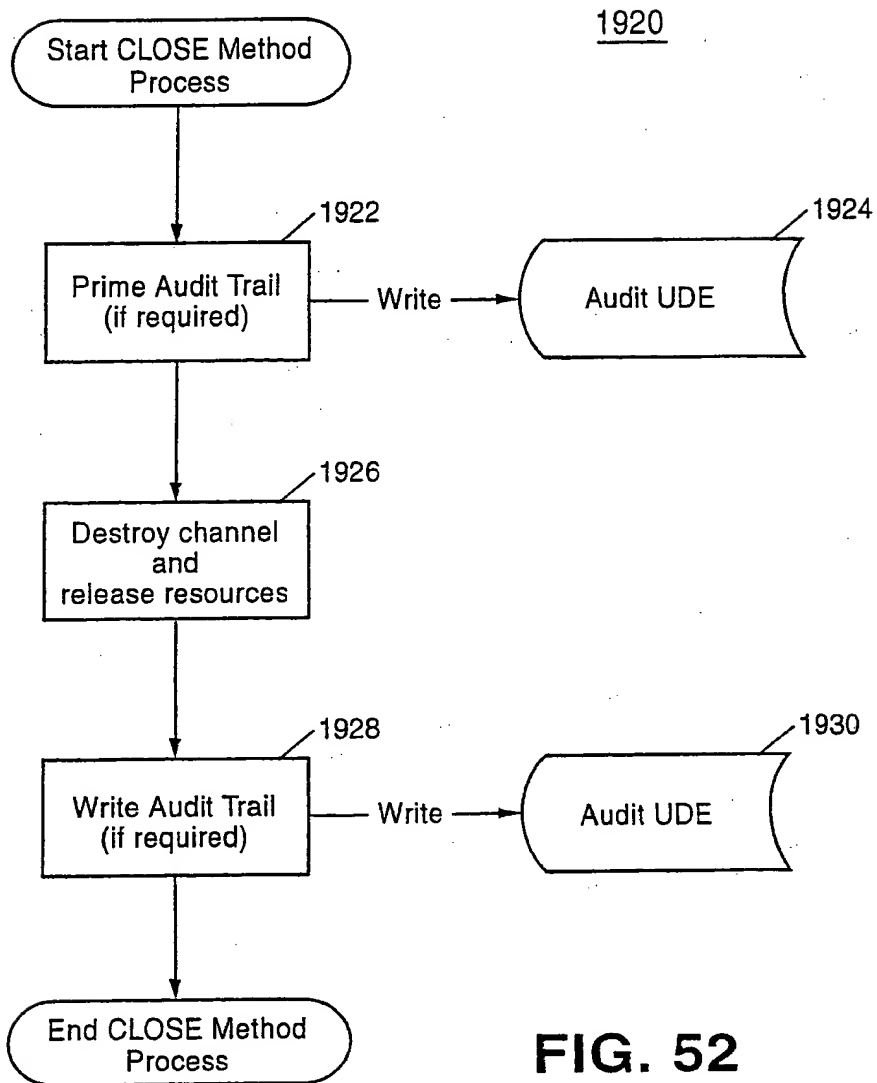




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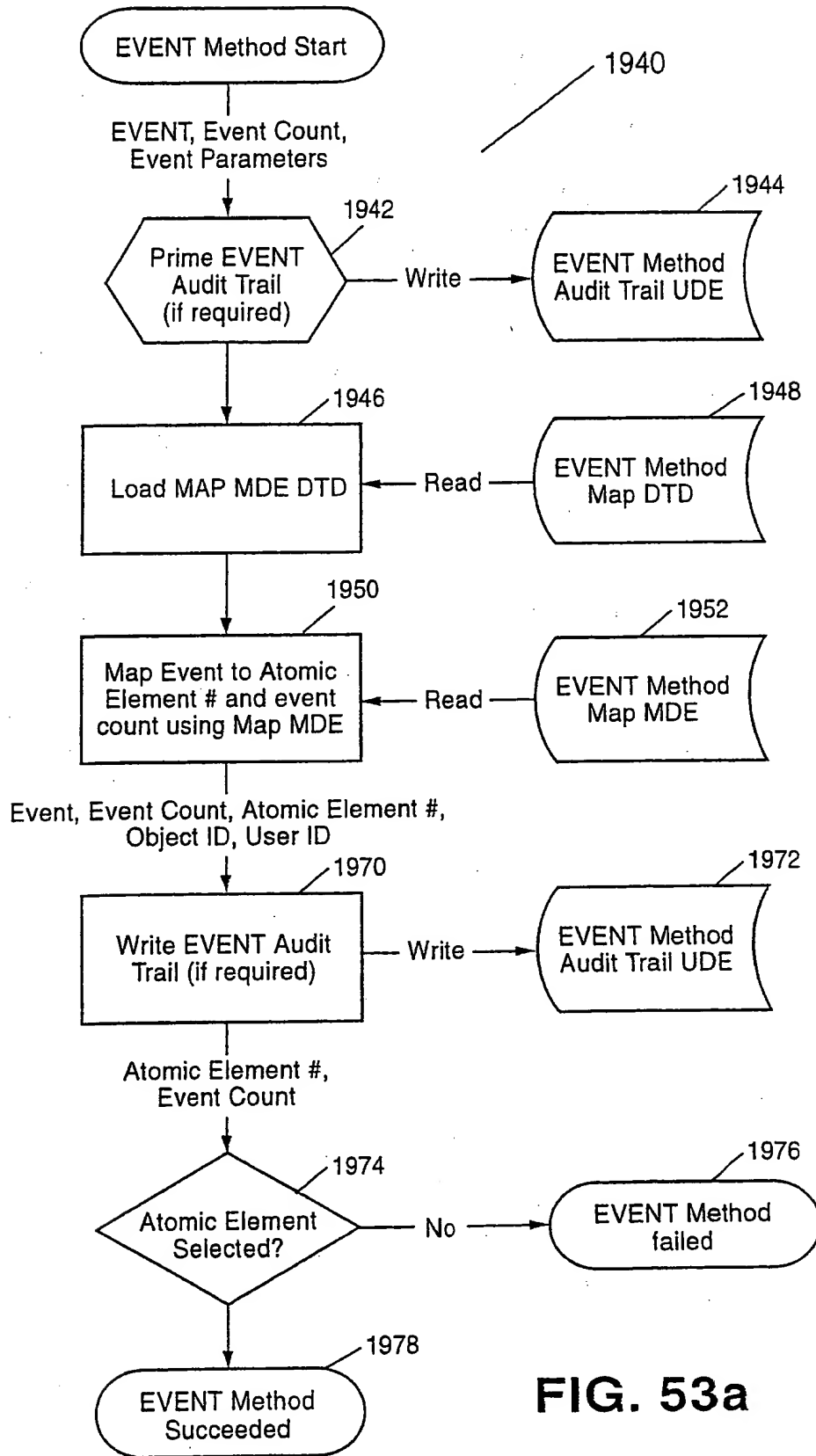


FIG. 53a



REPLACEMENT SHEET
APPLN NO.: 09/698,044

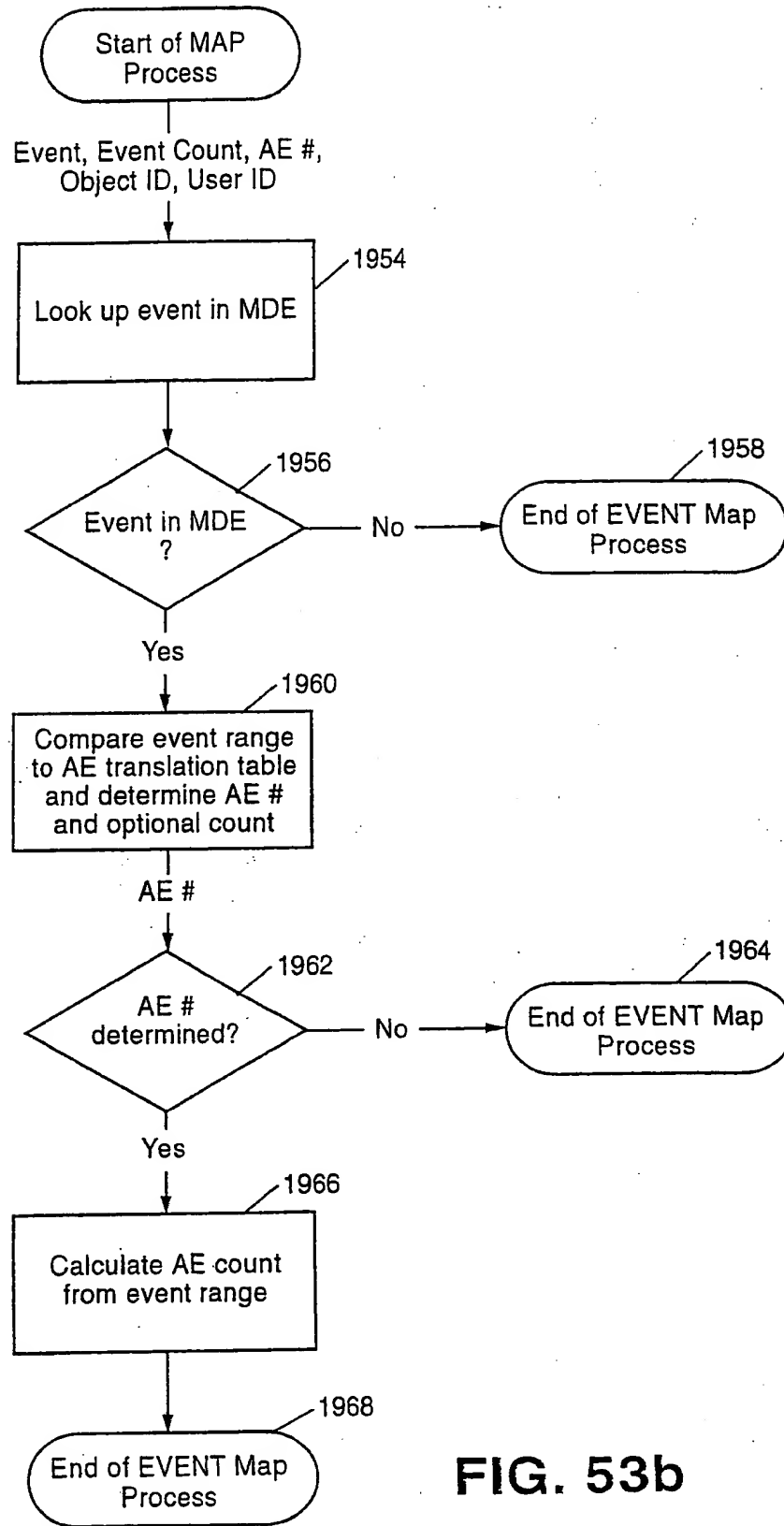


FIG. 53b

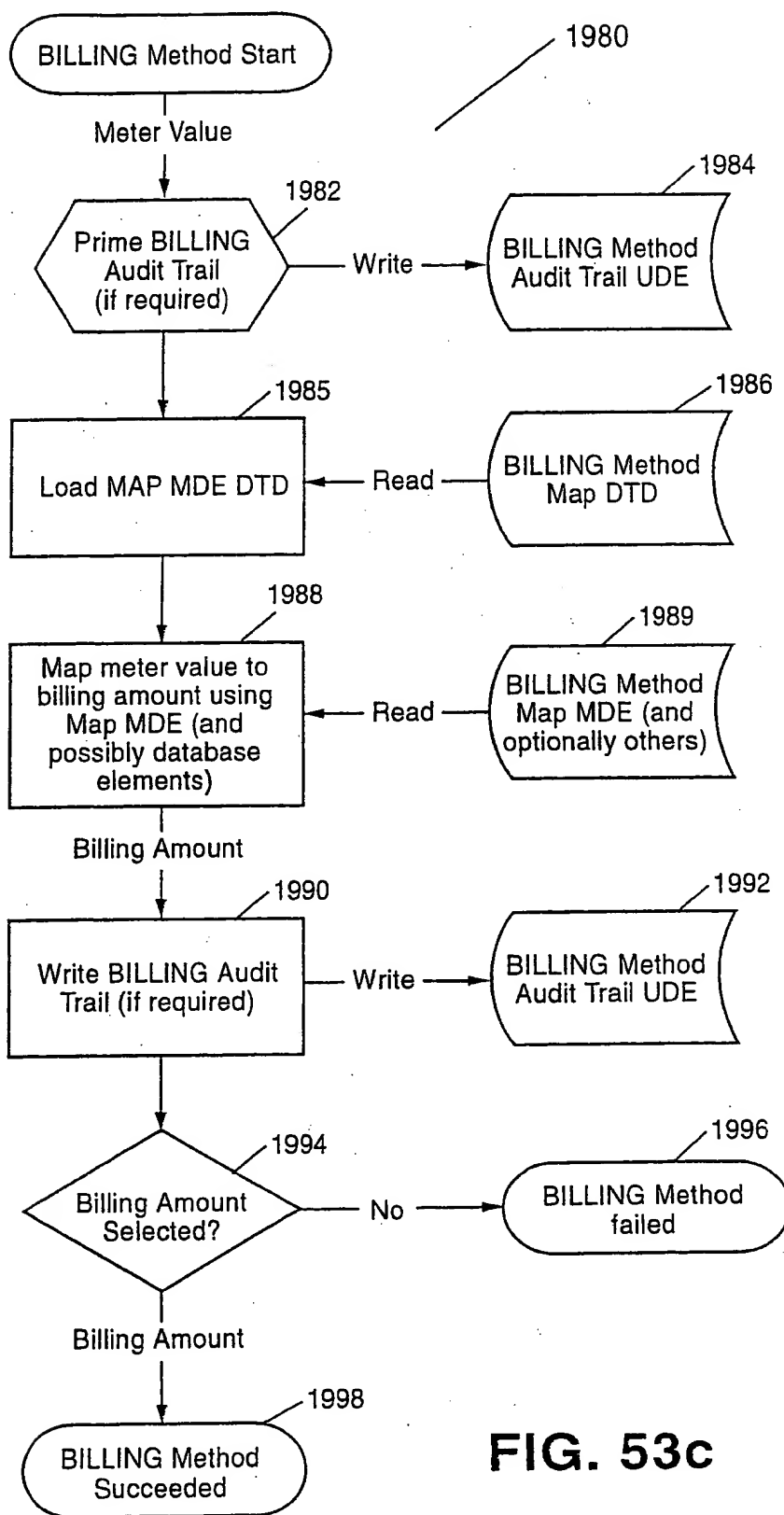
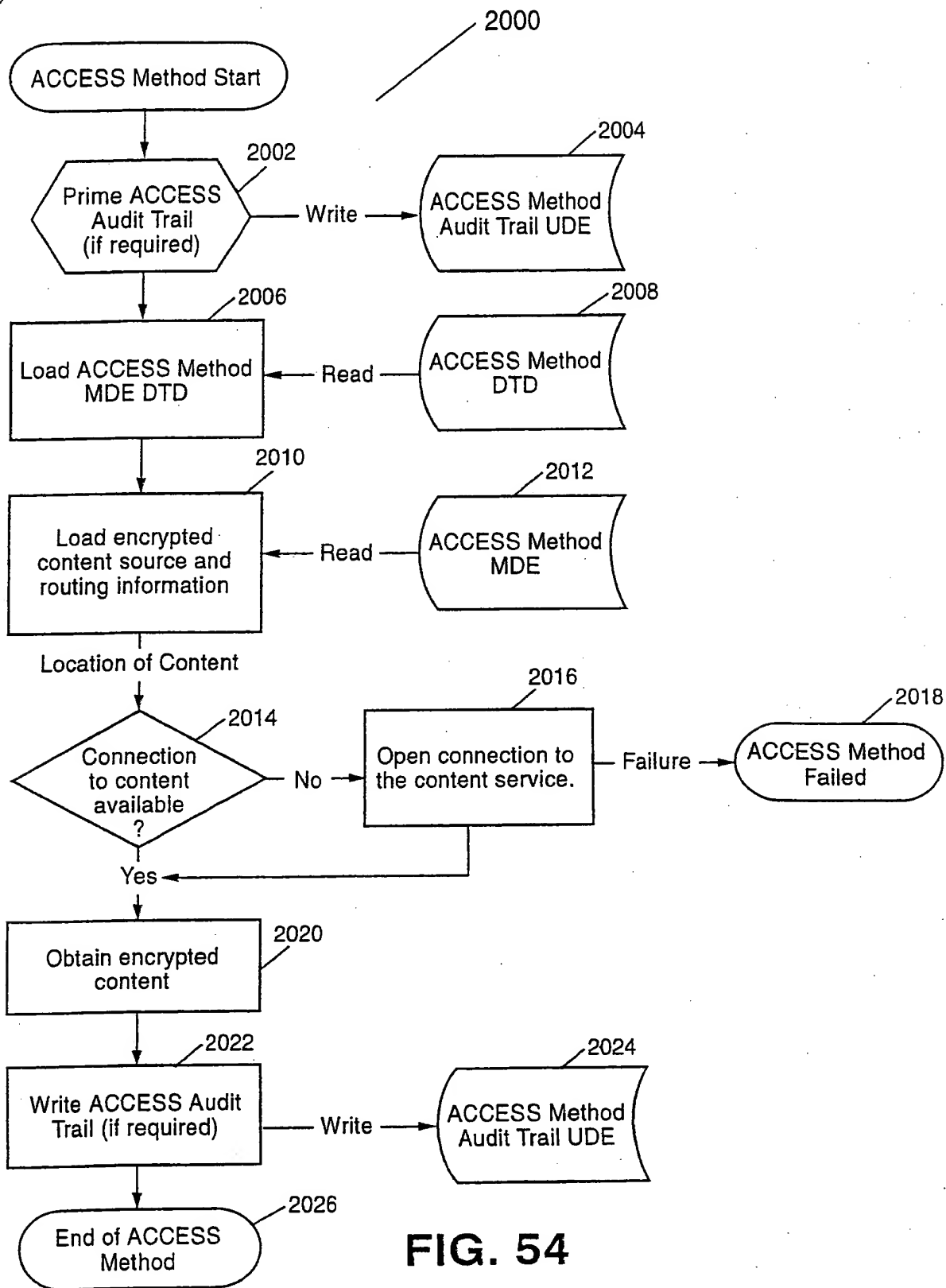


FIG. 53c



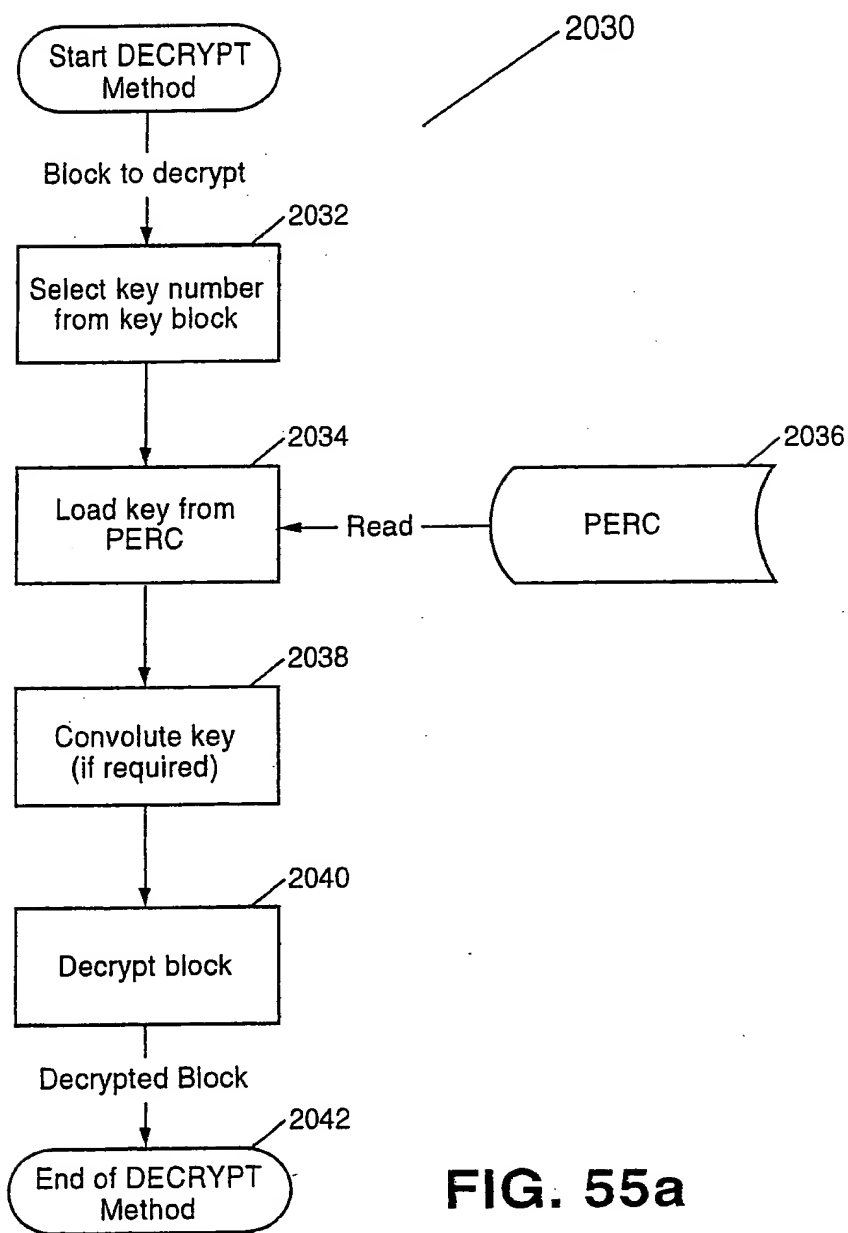
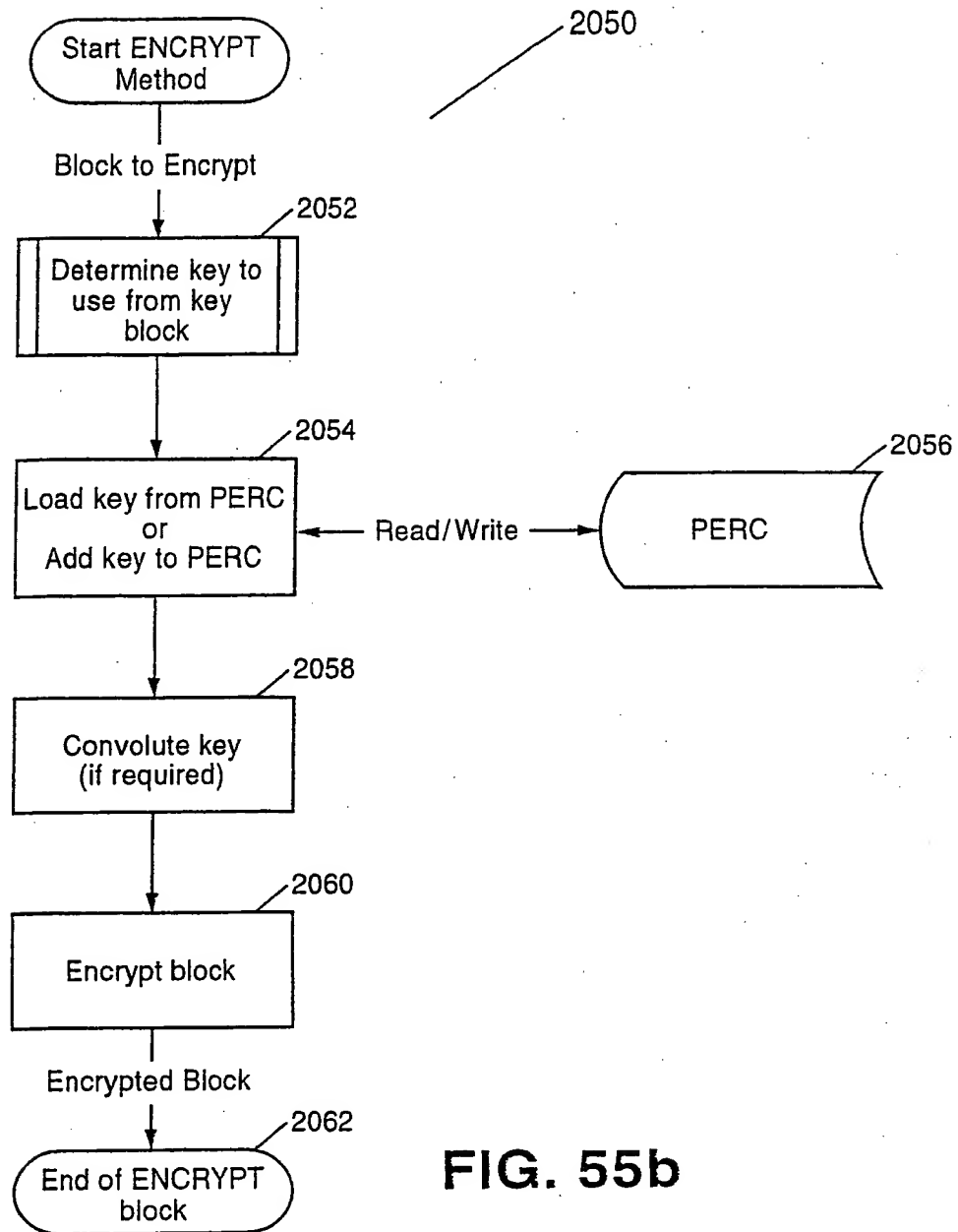


FIG. 55a



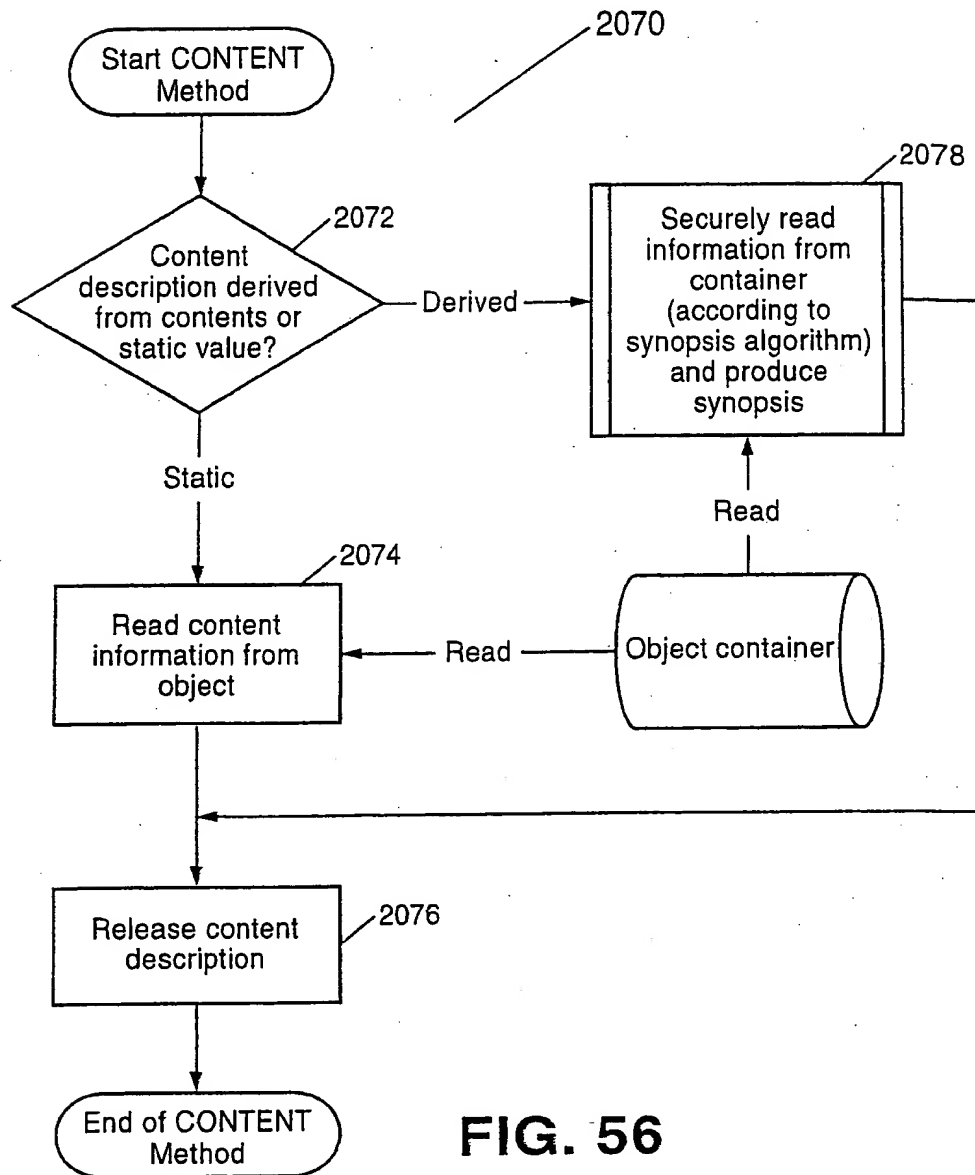


FIG. 56

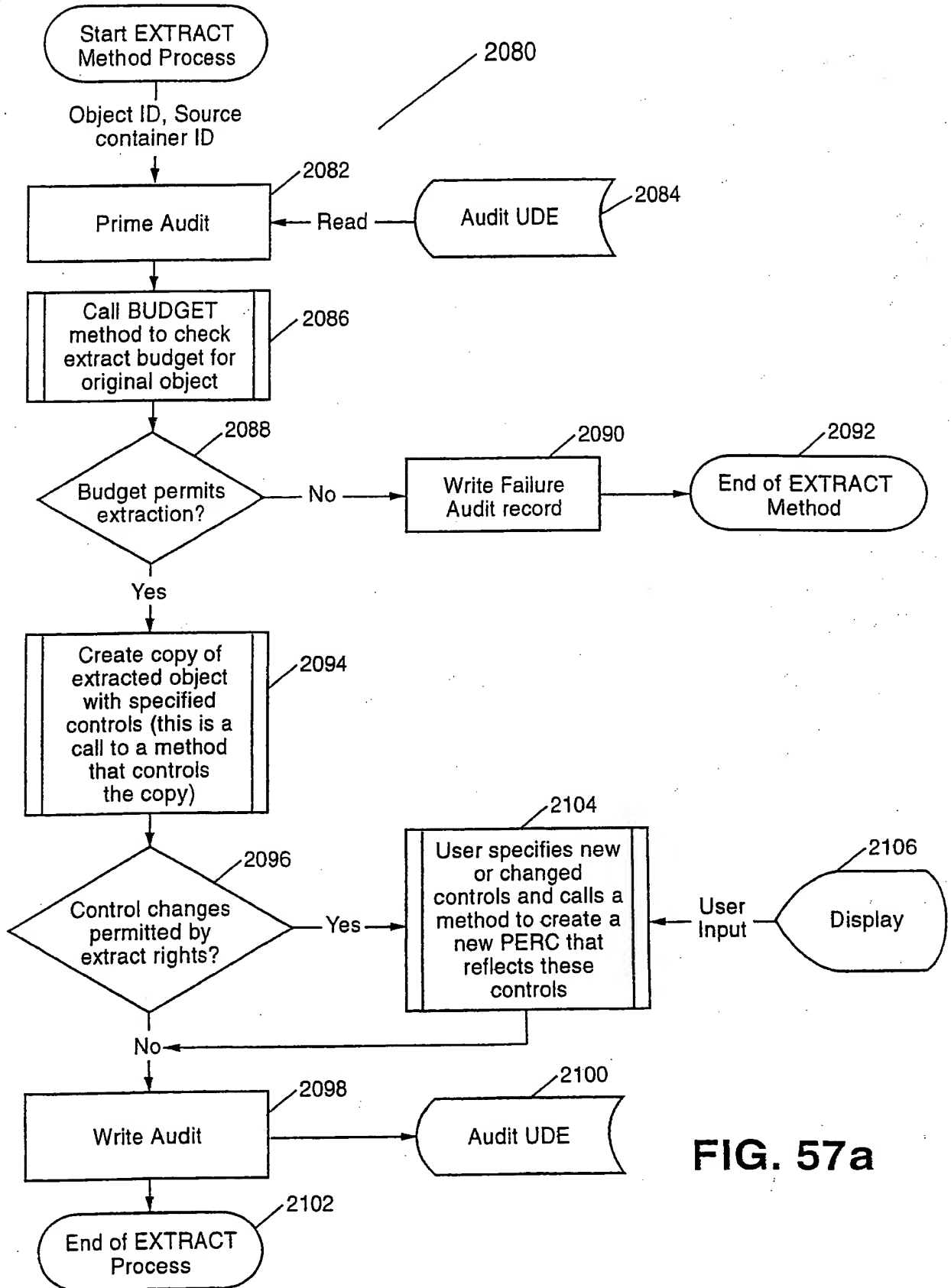


FIG. 57a

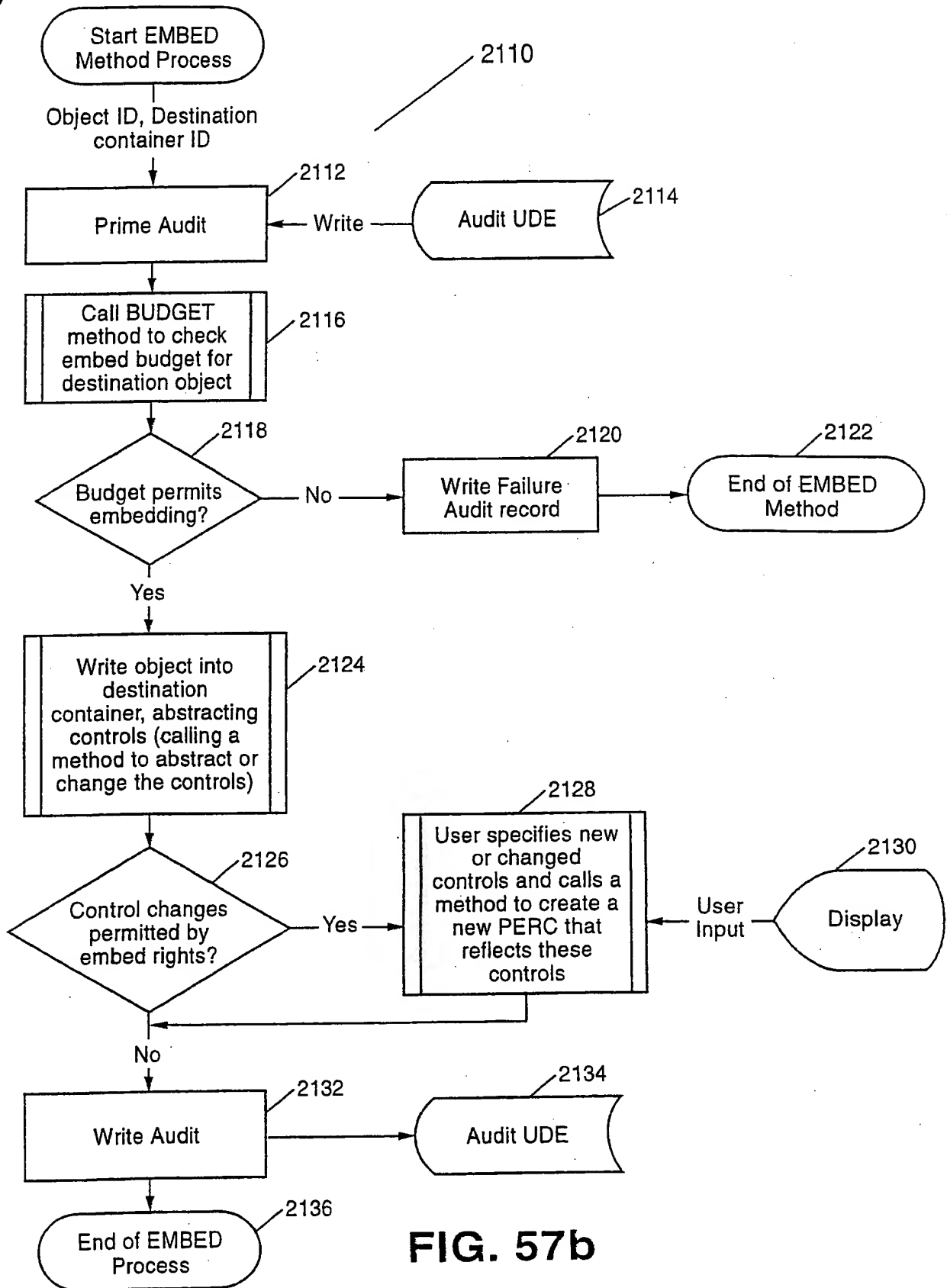


FIG. 57b



REPLACEMENT SHEET
APPLN NO.: 09/698,044

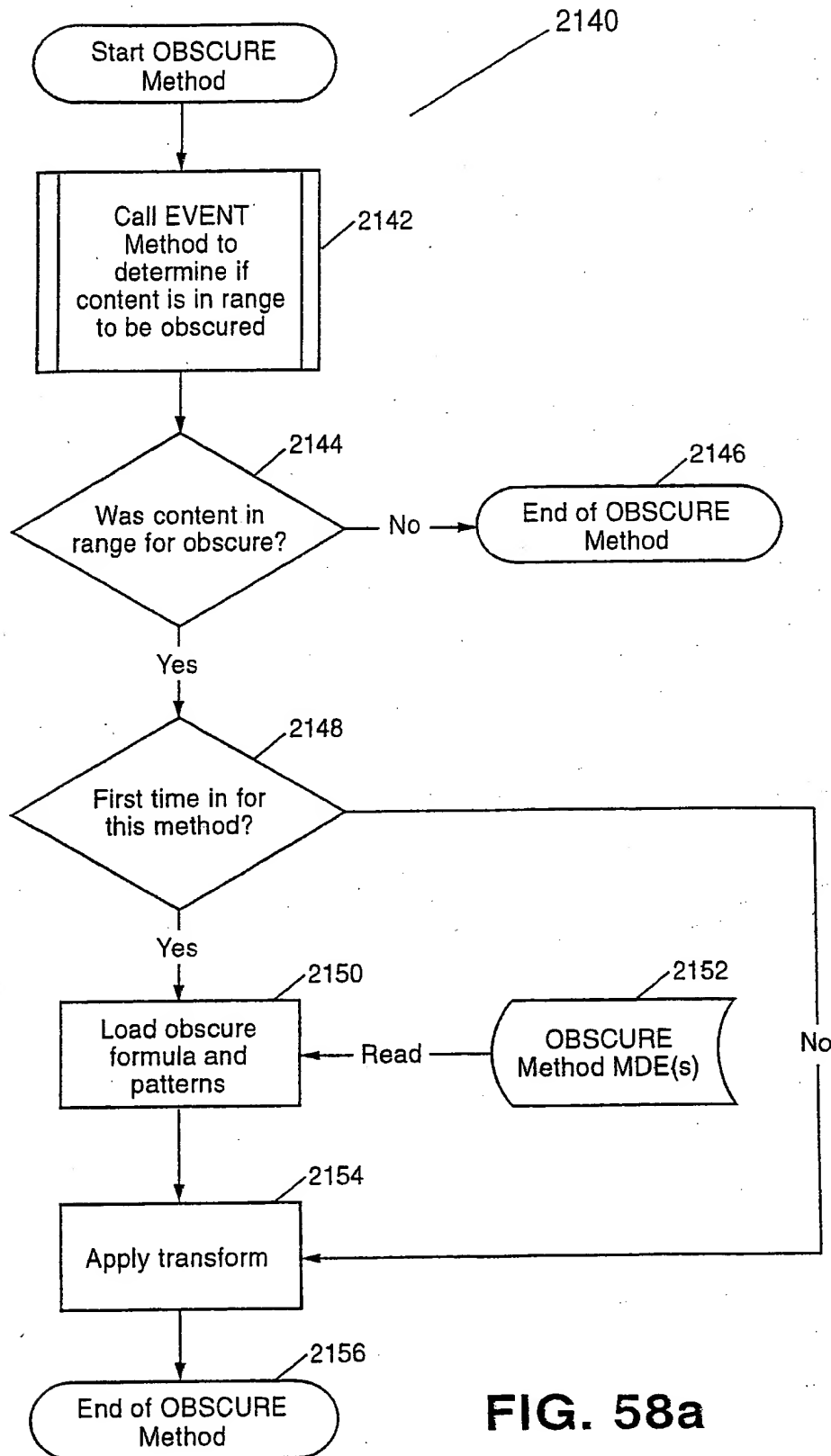


FIG. 58a

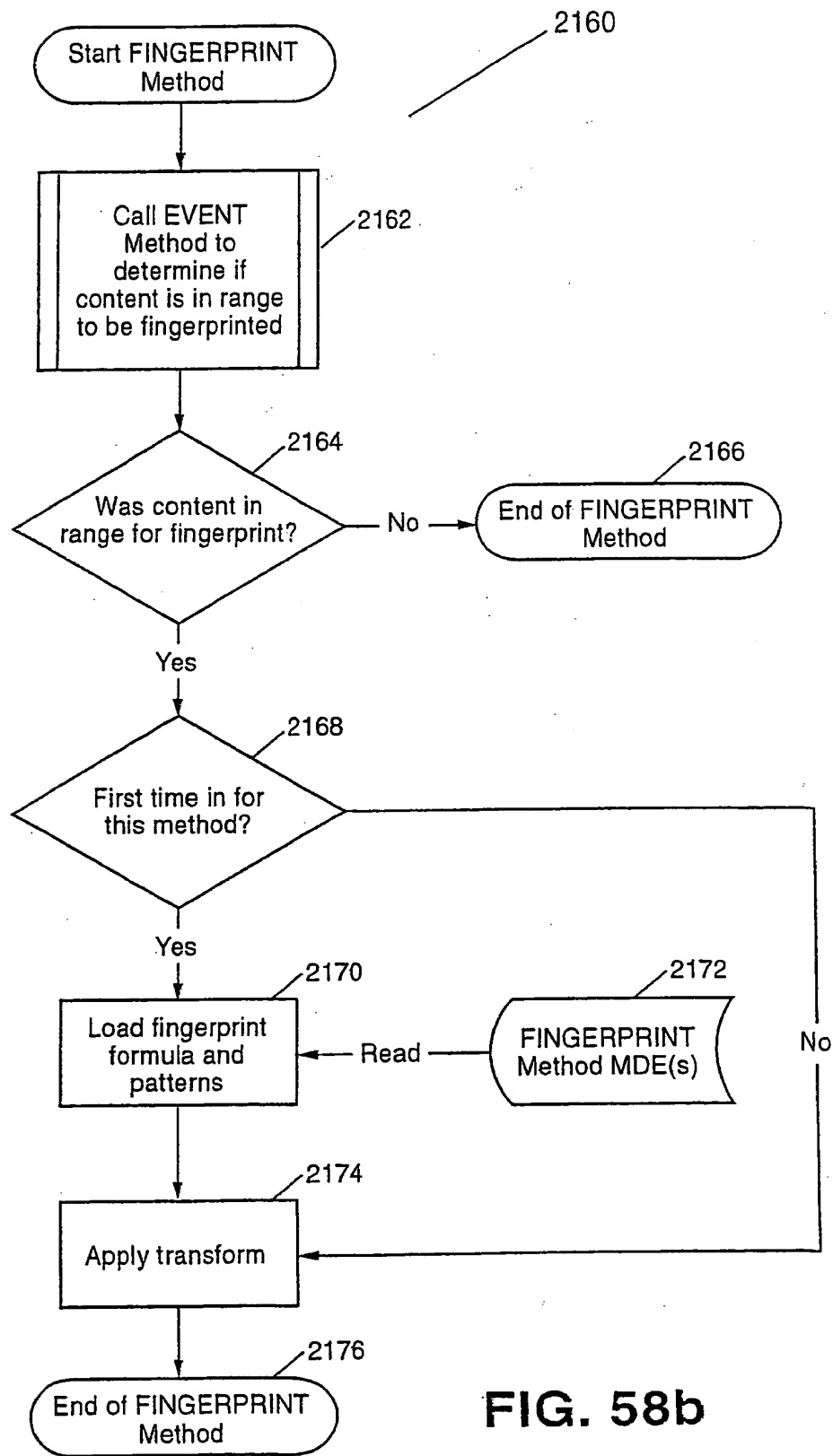


FIG. 58b

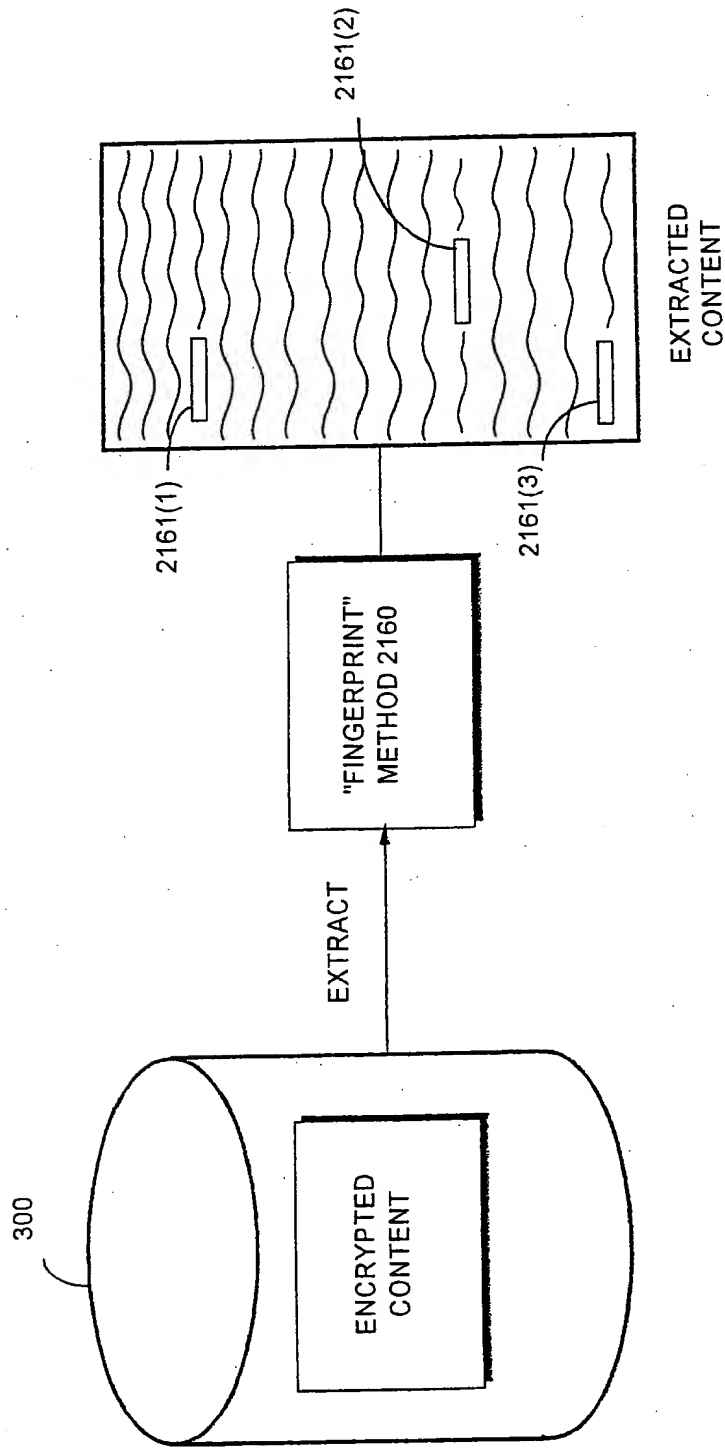


FIG. 58C

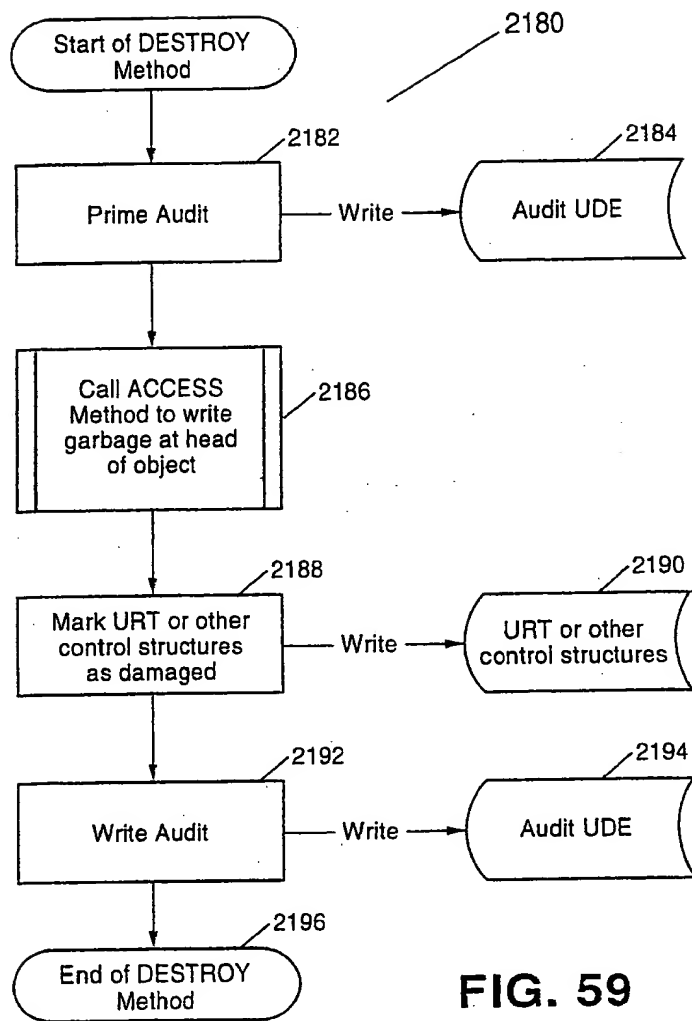


FIG. 59

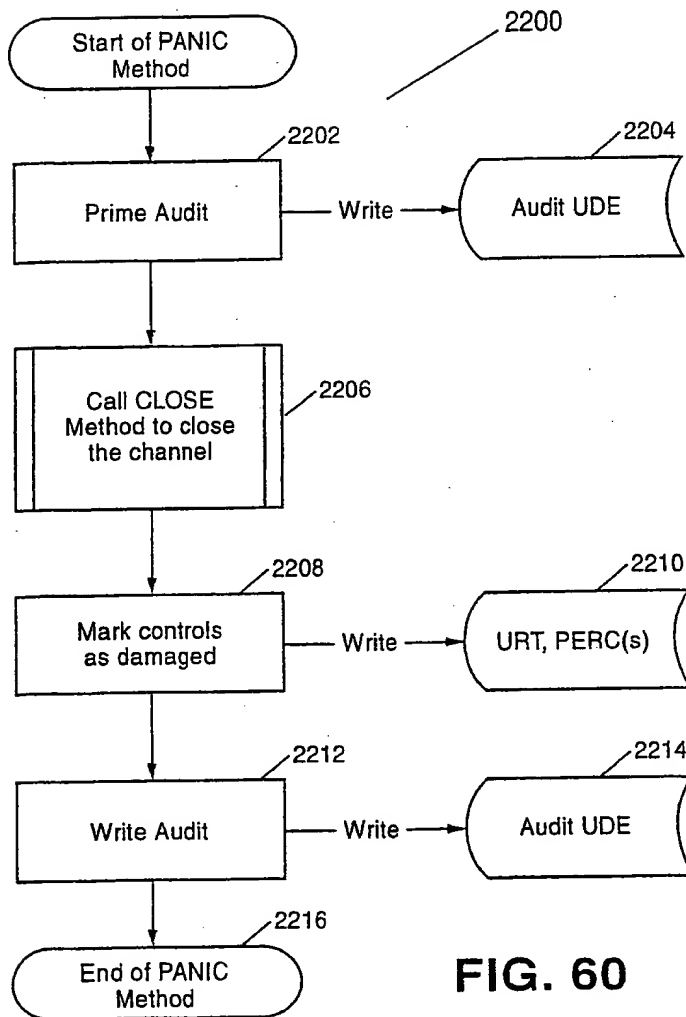


FIG. 60

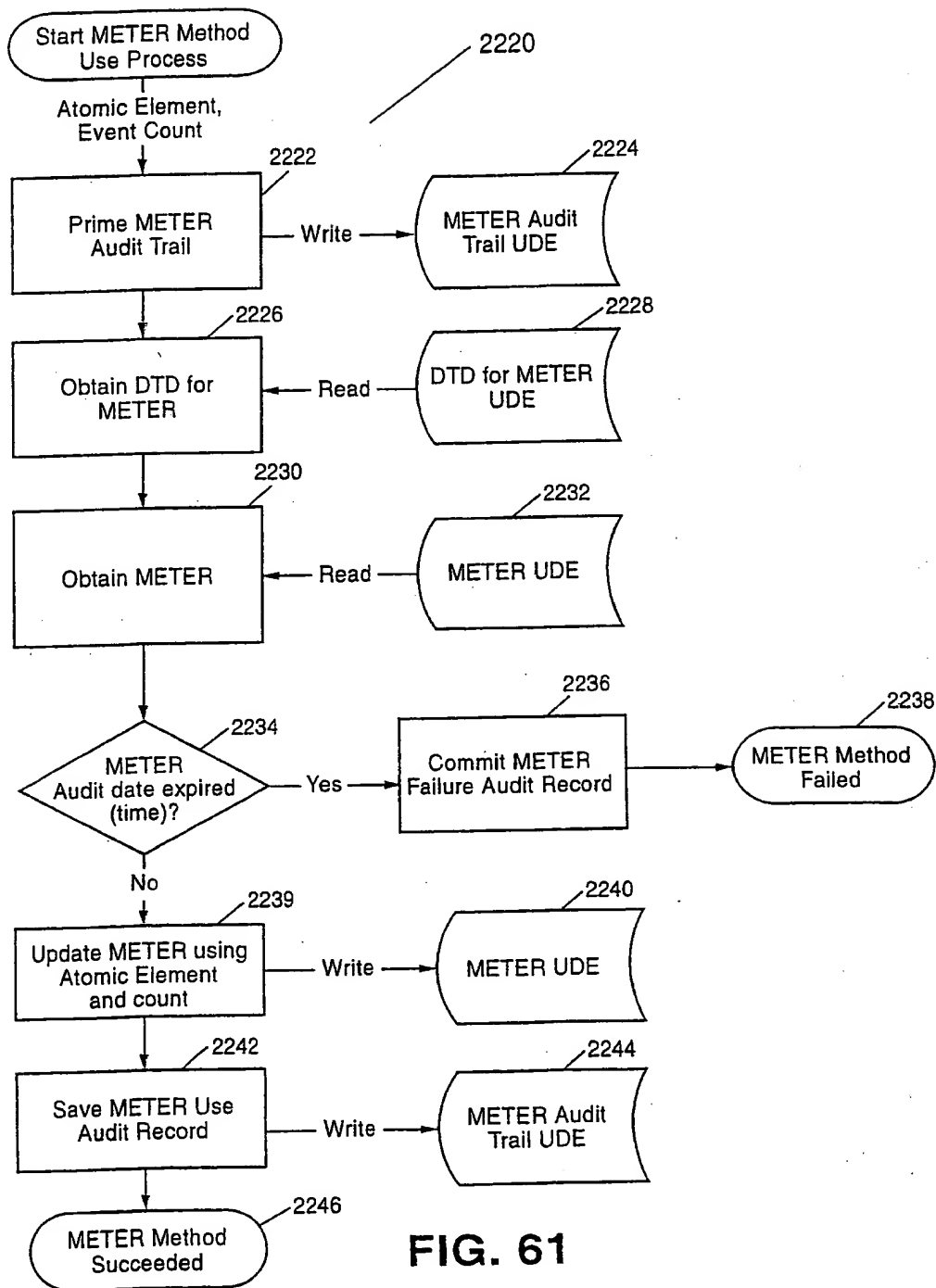
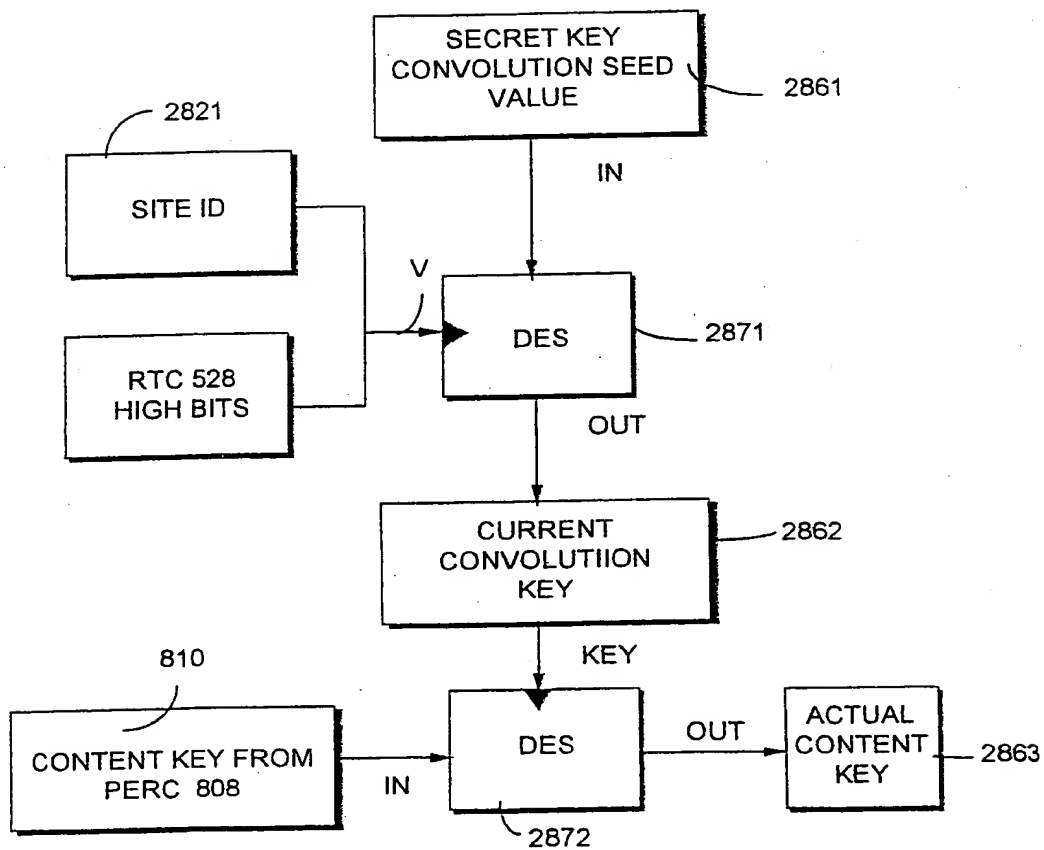


FIG. 61



FIG. 62



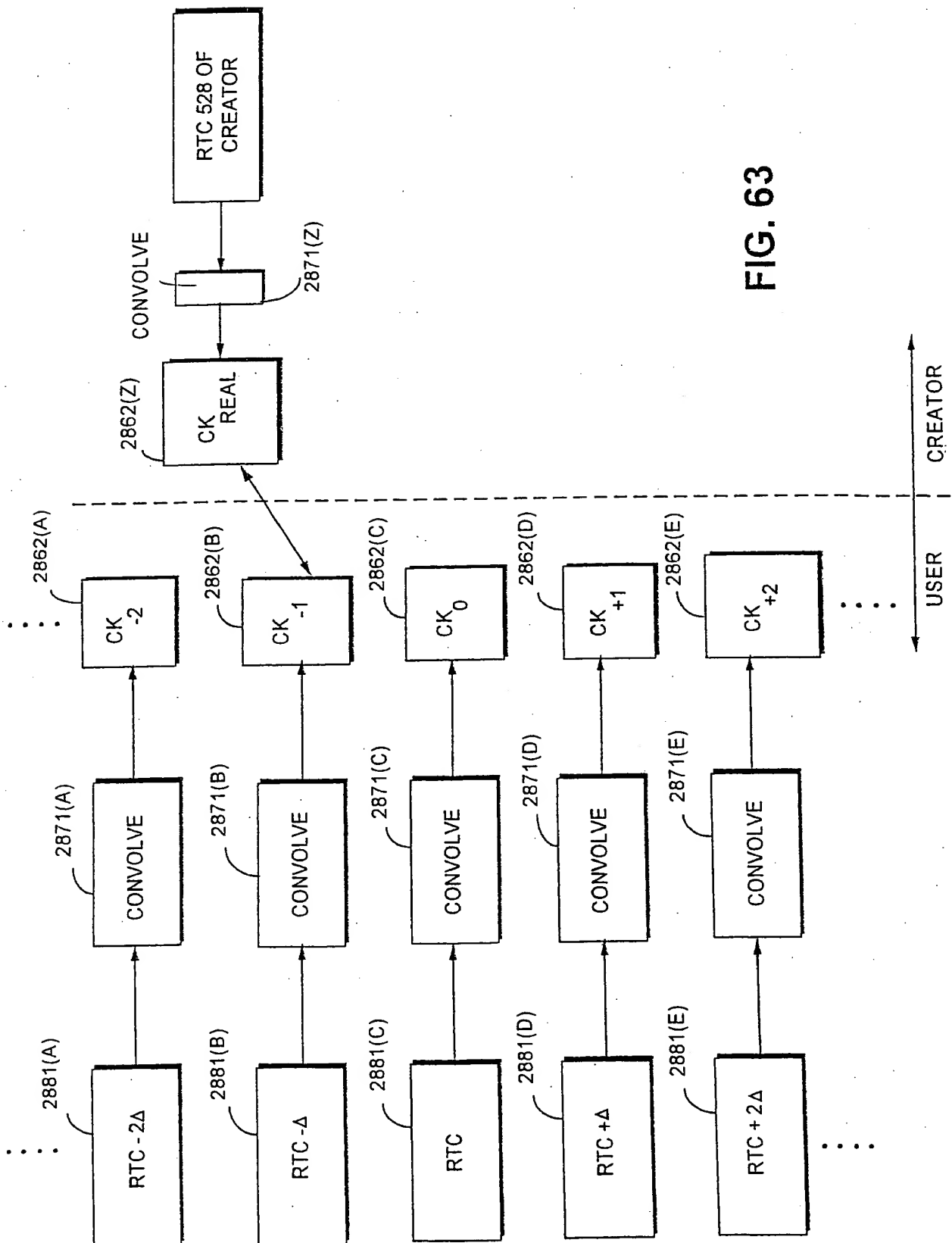
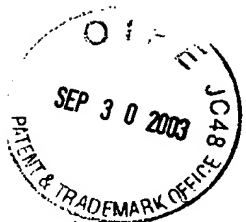


FIG. 63



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FIG. 64

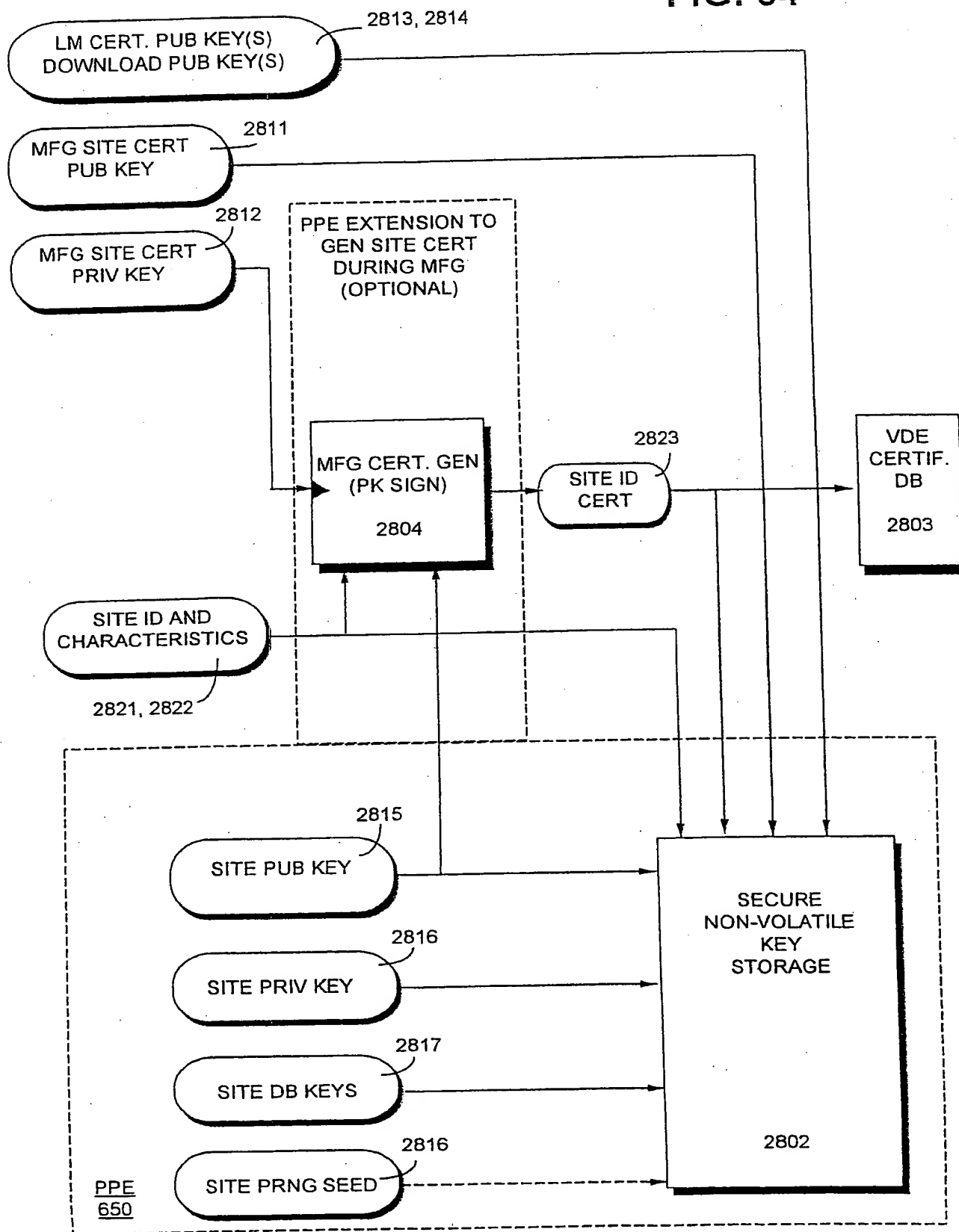




FIG. 65

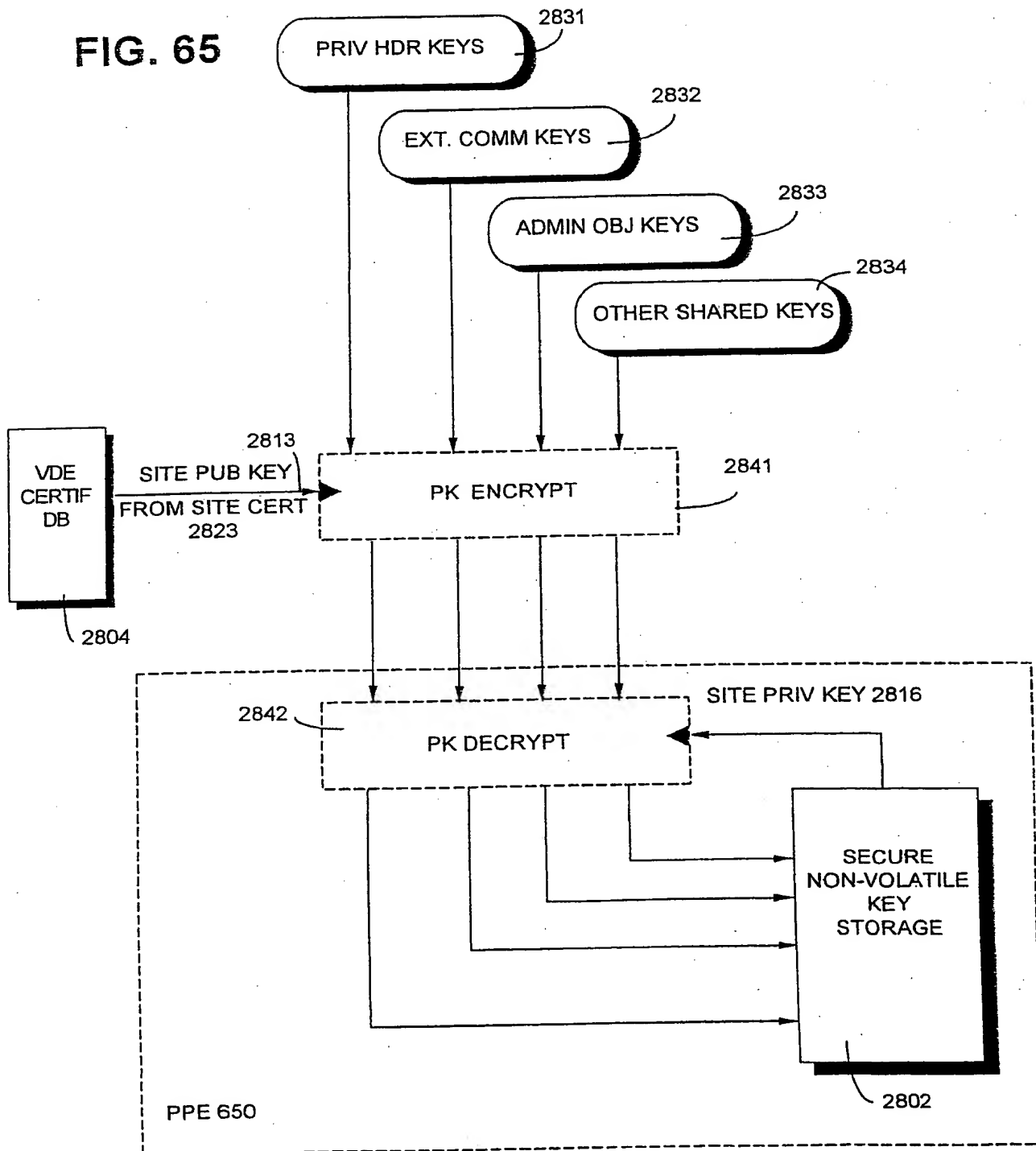
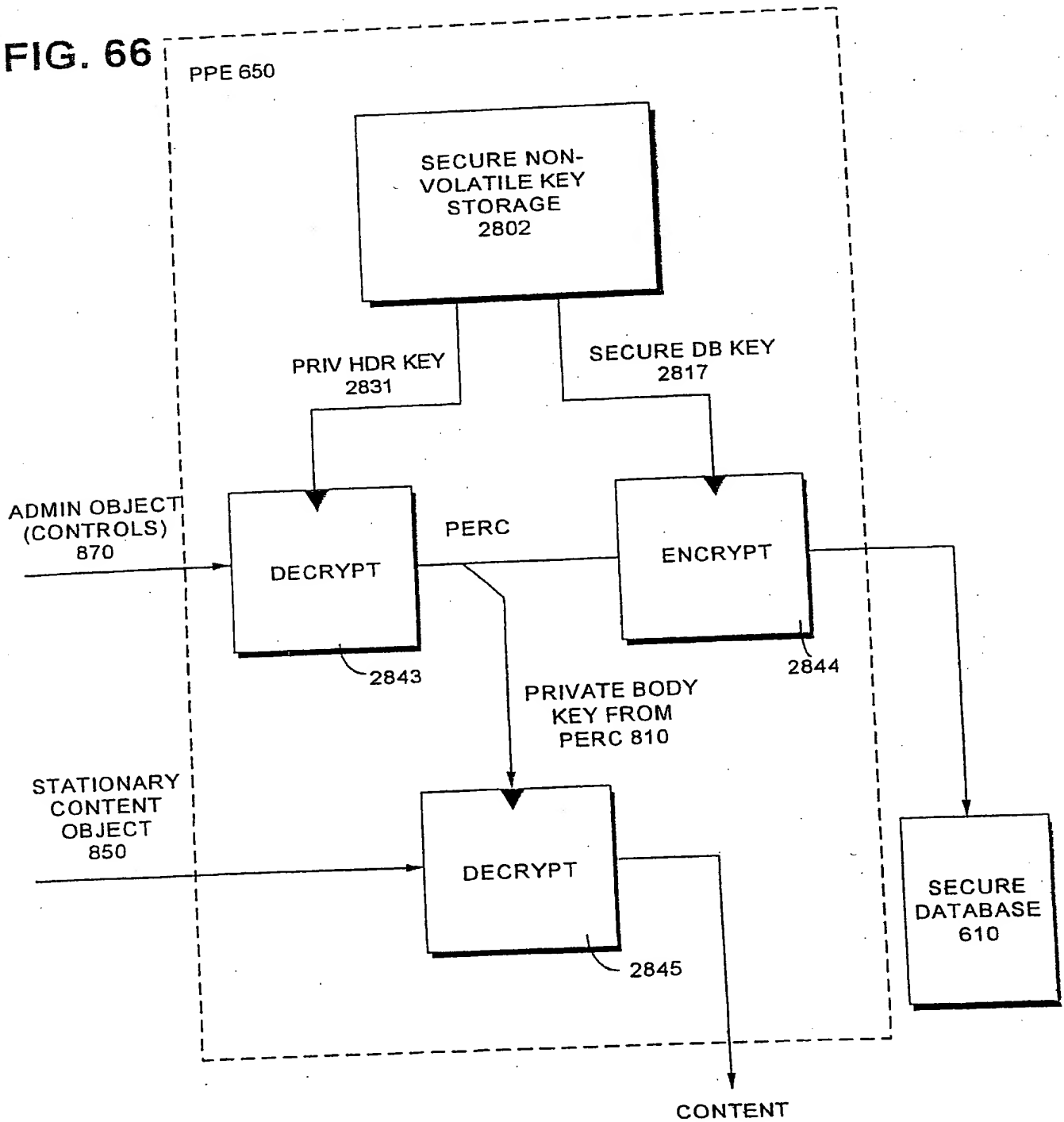




FIG. 66



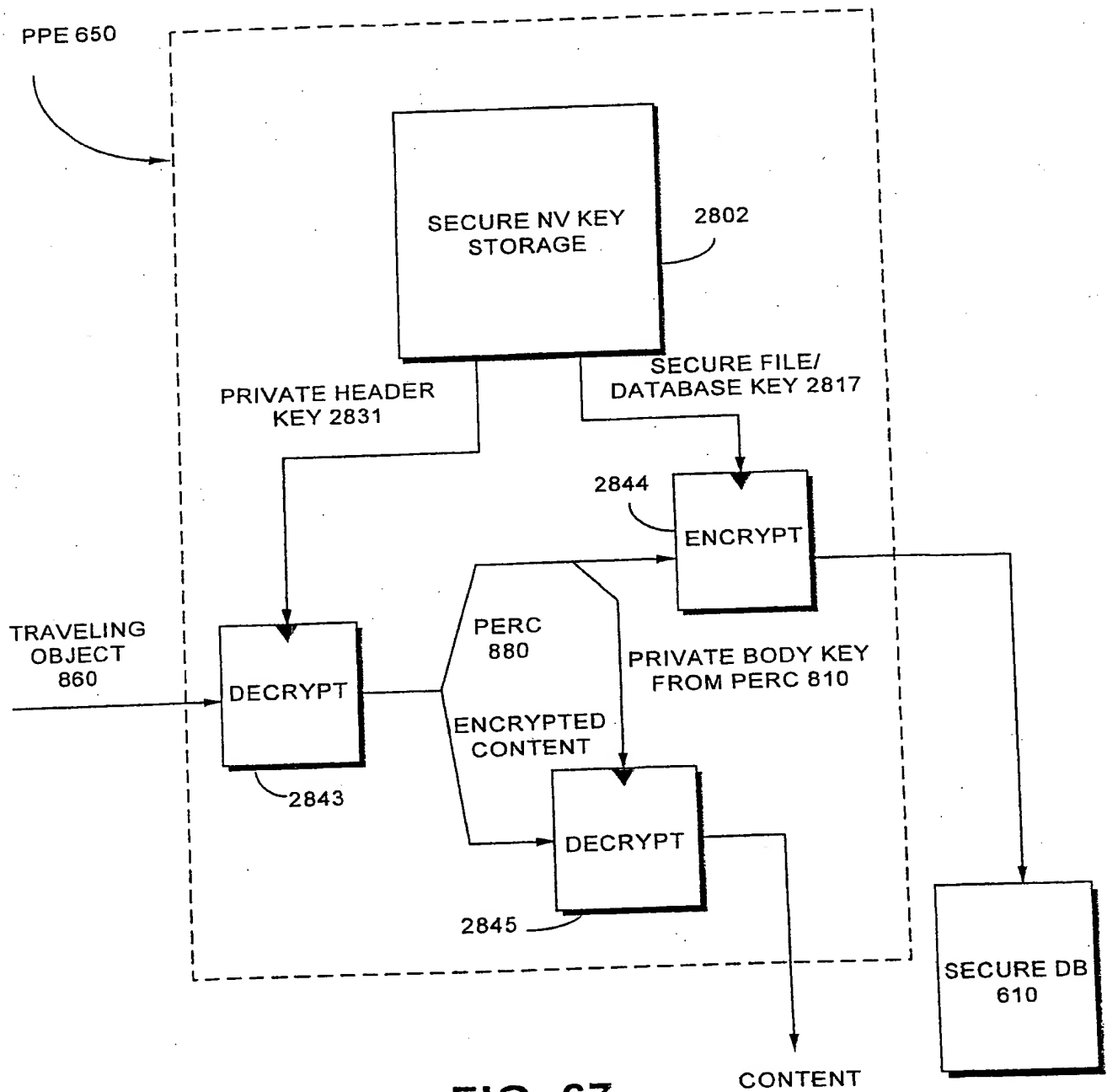


FIG. 67



FIG. 68

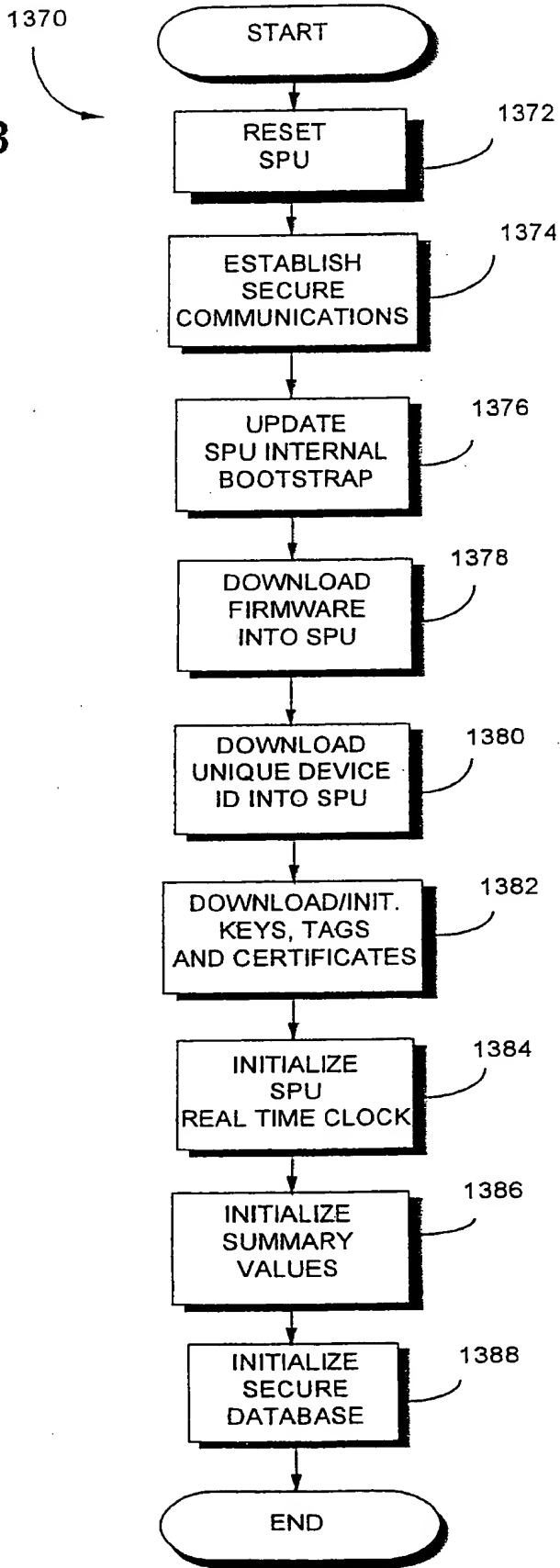
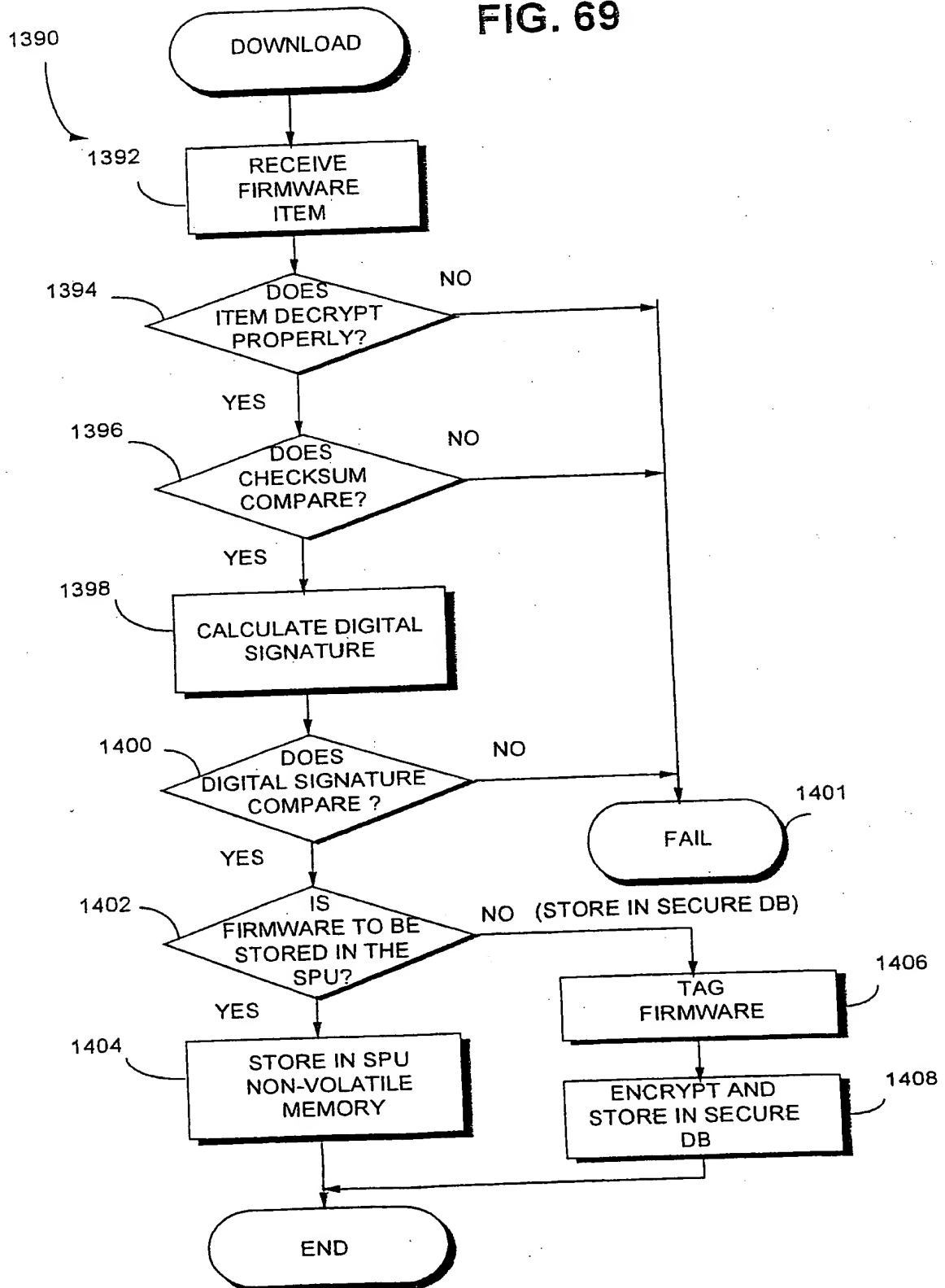




FIG. 69



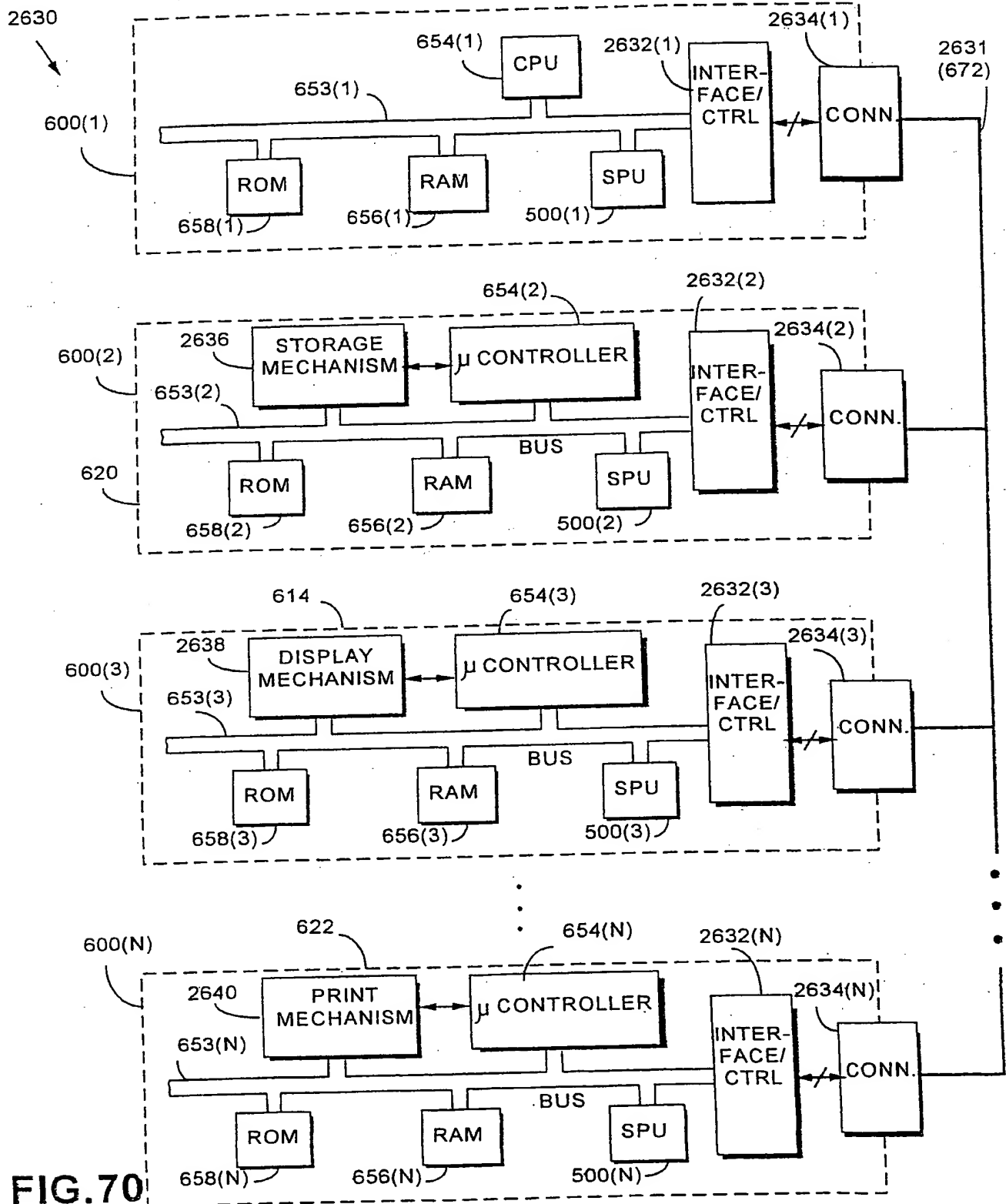
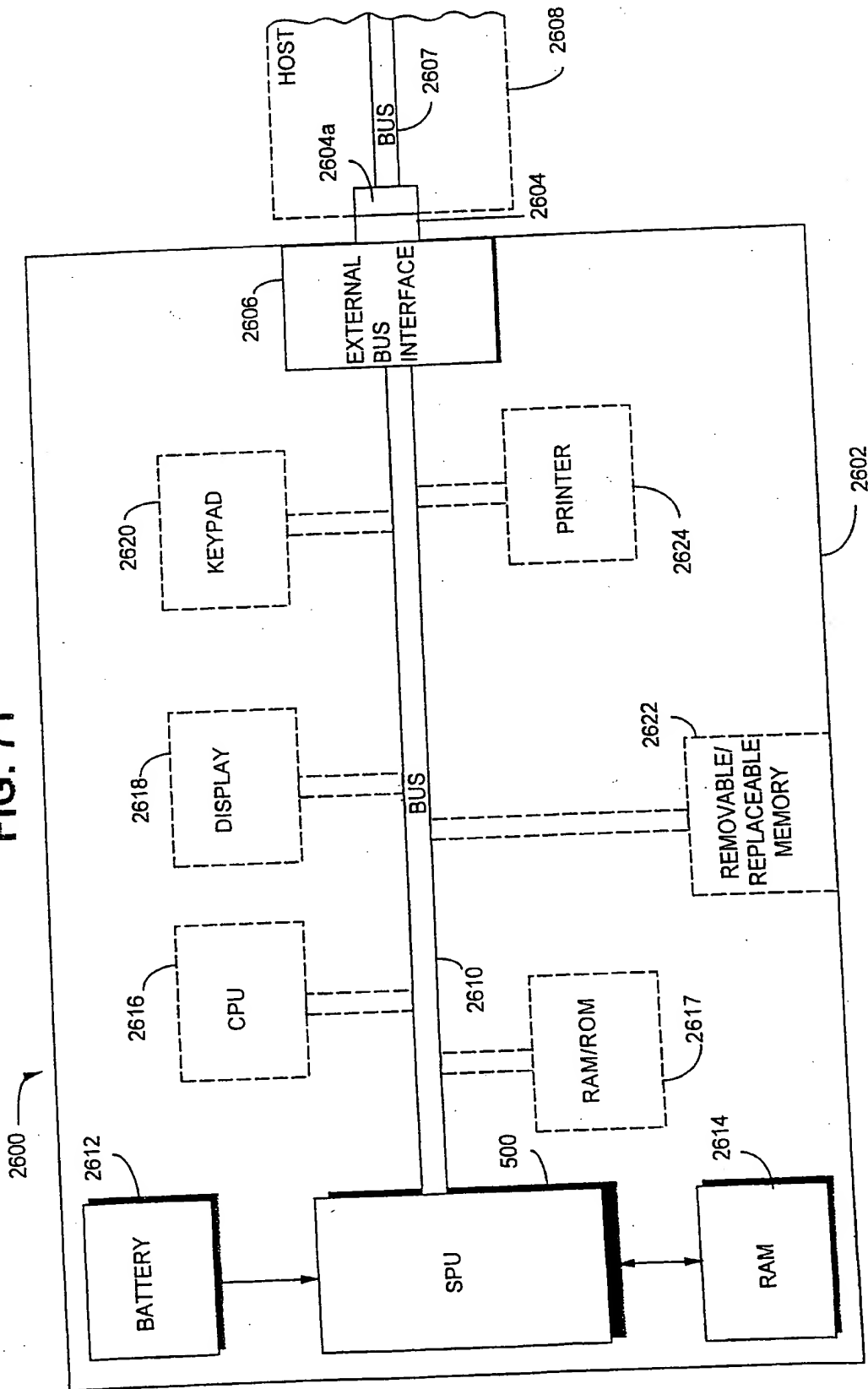


FIG. 70



FIG. 71





REPLACEMENT SHEET
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LOG IN USER INTERFACE

182

USER NAME: SHEAR, V.

PASSWORD: * * * * *

☐ LOGIN AT STARTUP

LOGIN

CANCEL


HELP

FIG. 72A

FIG. 72B

2660

YOU HAVE REQUESTED THESE PROPERTIES:



LOONEY TUNES NEWS!

2662

PROPERTY INFO

Your Cost: \$7.50

APPROVE

CANCEL

SUSPEND

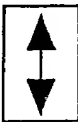
MORE OPTIONS

2664



FIG. 72C

SET LIMITS:

SESSION DOLLAR LIMIT: \$ 

TRANSACTION DOLLAR LIMIT: \$

TIME LIMIT (IN MINUTES):

UNIT LIMIT:

OK

CANCEL

HELP!

2666

2674

2668

2670

2672

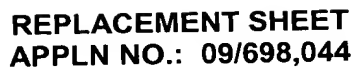


FIG. 72D



YOU HAVE REQUESTED THESE PROPERTIES:

LOONEY TUNE NEWS!

APPROVE

CANCEL

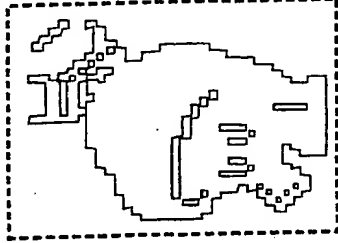
SUSPEND

PROPERTY INFO

YOUR COST : \$7.50

More Options

Show Thumbnail



PROPERTY:	SIZE:	PUBLISHER:	AMOUNT:	UNITS:	COST/UNIT:	TYPE:	USE?:	LINKS:	HIST:
CHUCK JONES BIOGRA...	256KB	WARNER NEW MEDIA	64	KBYTE	\$1.25	PREVIEW	✓	●	
▼ BUGS BUNNY.JPE...	1MB	WARNER NEW MEDIA	1	RECORD	\$5.00	DISPLAY	✓	●	
BUGS BUNNY.JPEG...	1MB	WARNER NEW MEDIA	10	RECORD	\$3.50	DISPLAY		●	
BUGS BUNNY.JPEG...	1MB	WARNER NEW MEDIA	25	RECORD	\$2.50	DISPLAY		●	
FRIZ FRELENG BIOGRA...	256KB	WARNER NEW MEDIA	120	SECTOR	\$5.00	PRINT			
TEX AVERY BIOGRAP...	256KB	WARNER NEW MEDIA	50	PERCENT	\$2.50	COPY			
► DUCKI RABBITI DU...	64MB	WARNER NEW MEDIA	7.0	MINUTE	\$7.50	COPY-PRO			
MEL BLANC BIOGRAPH...	256KB	WARNER NEW MEDIA	1	SPECIAL	\$25.25	INSTALL			
LOONEY TUNES DATAB...	600MB	WARNER NEW MEDIA	1	OBJECT	\$2000.00	ALL			



FIG. 73

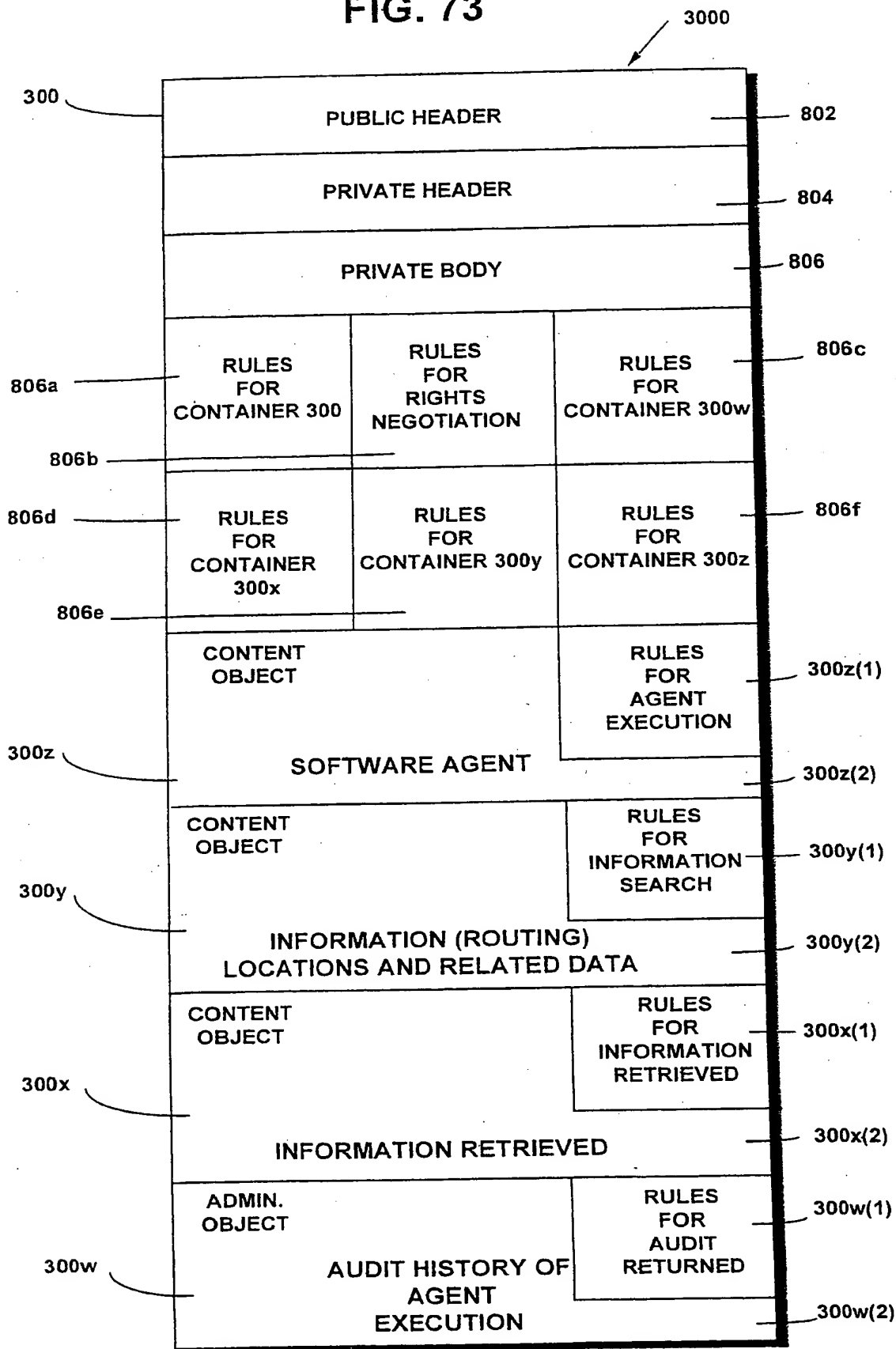




FIG. 74

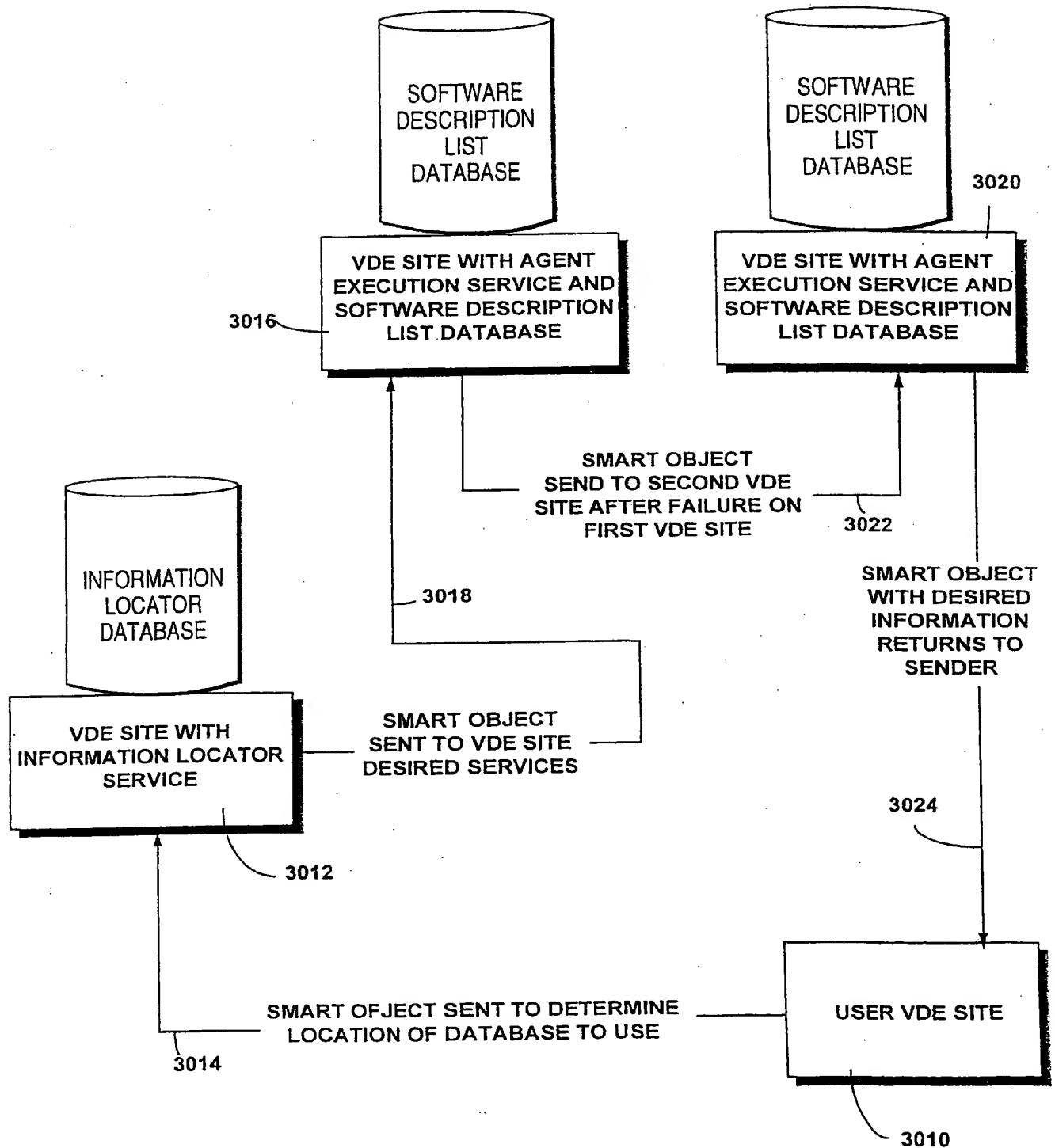




FIG. 75A

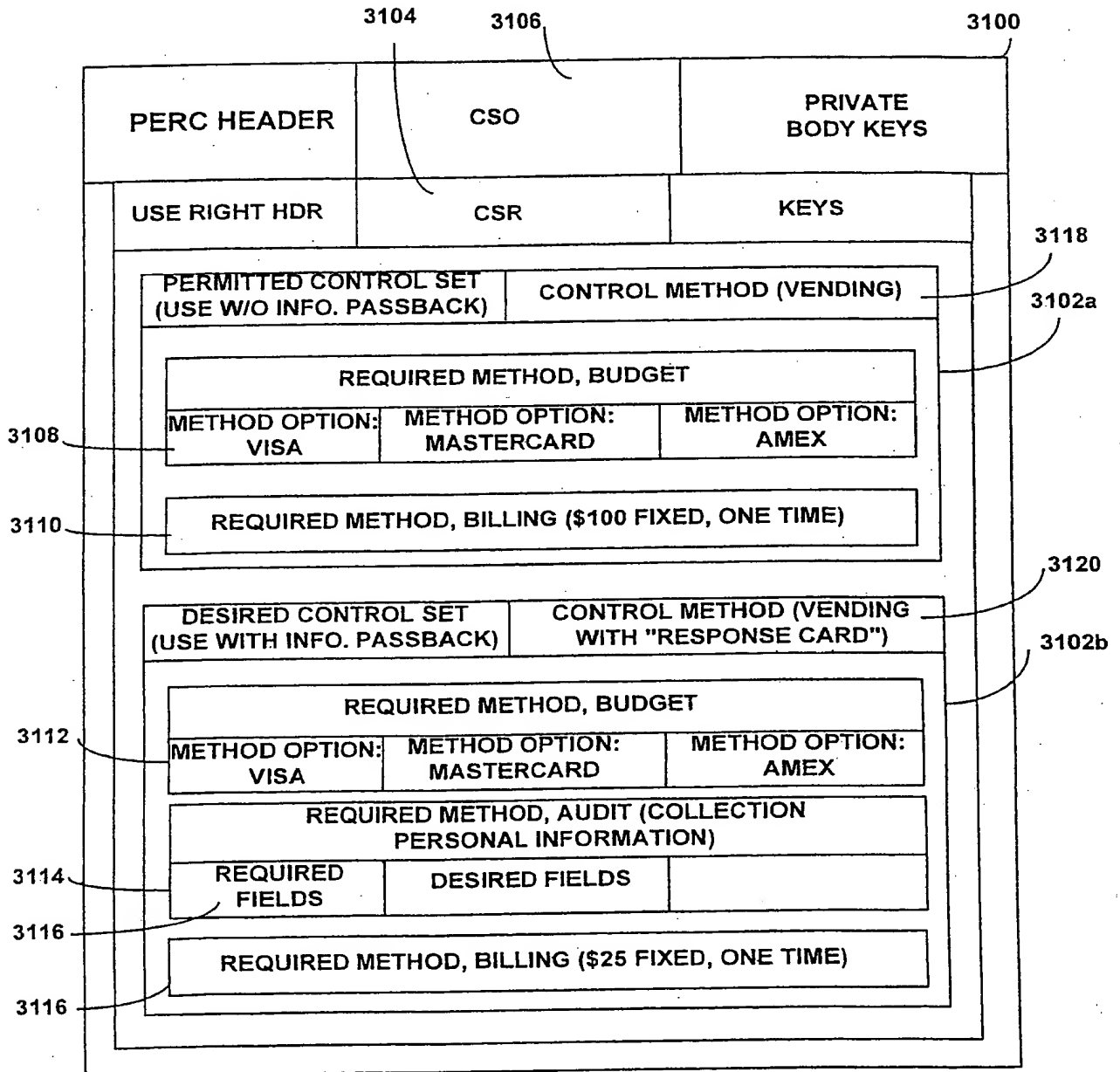




FIG. 75B

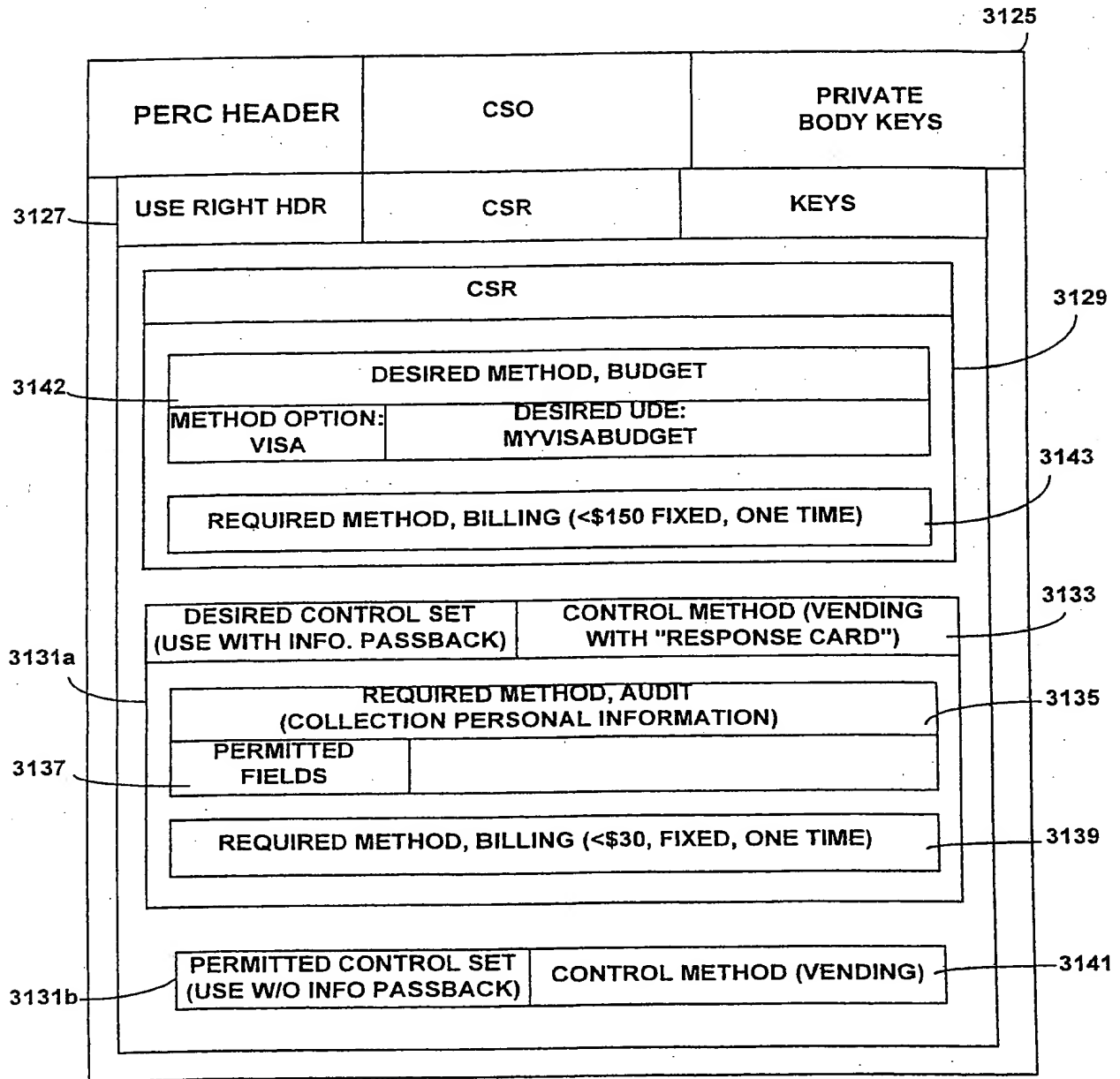




FIG. 75C

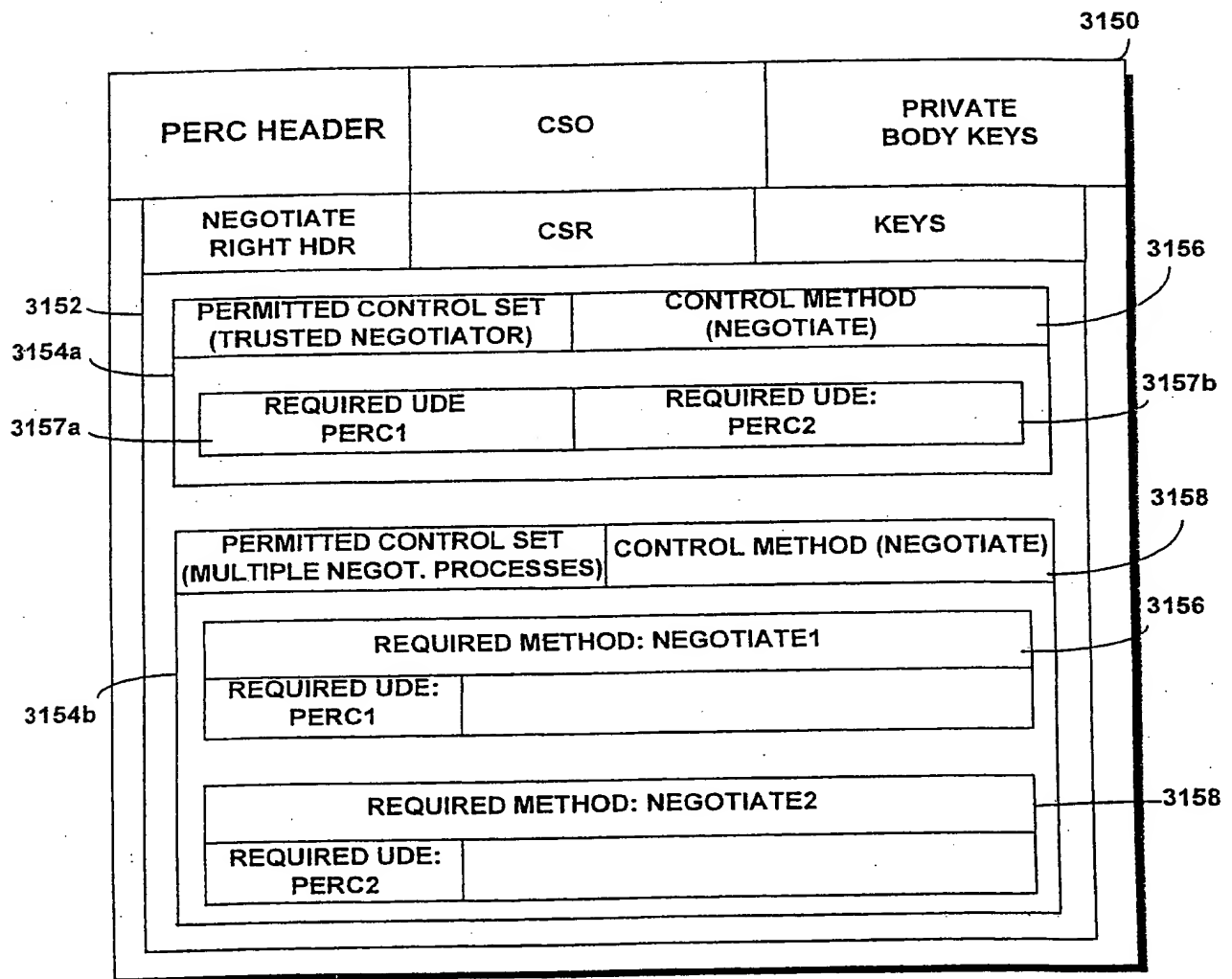




FIG. 75D

URT HEADER		CSO	DIGITAL SIGNATURE
USE RIGHT HDR		CSR	
CONTROL SET(USE WITH INFO. PASSBACK)		CONTROL METHOD(VENDING WITH "RESPONSE CARD")	
REQUIRED METHOD, BUDGET			
METHOD OPTION: VISA		DESIRED UDE: MYVISABUDGET	
REQUIRED METHOD, AUDIT (COLLECTION PERSONAL INFORMATION)			
PERMITTED FIELDS			
REQUIRED METHOD, BILLING(\$25, FIXED, ONE TIME)			

3160

3162

3164

3166

3170

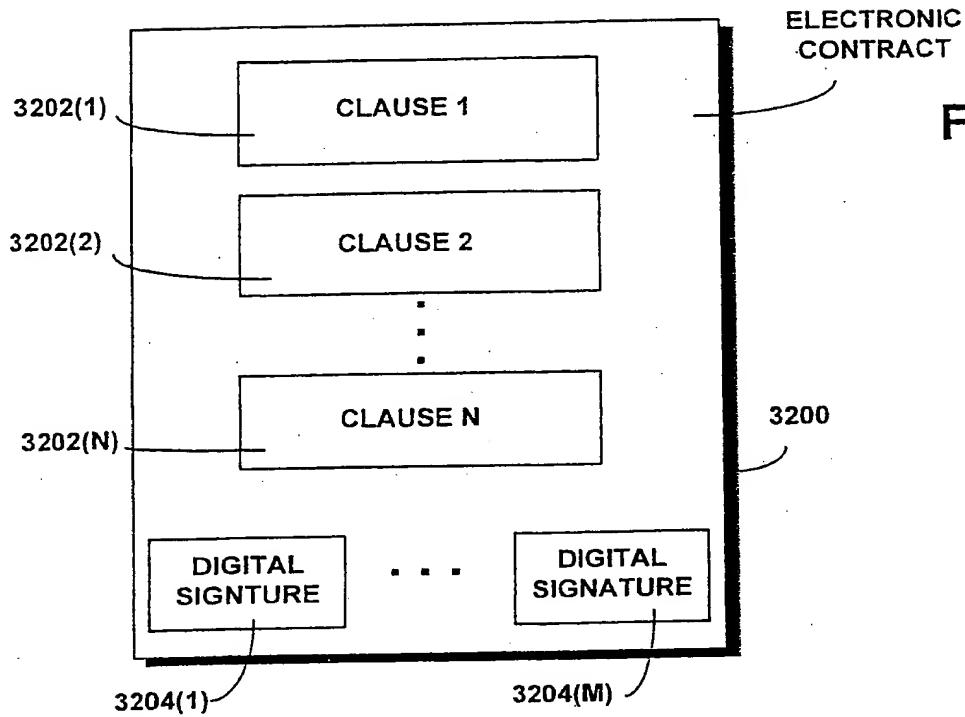


FIG. 75E

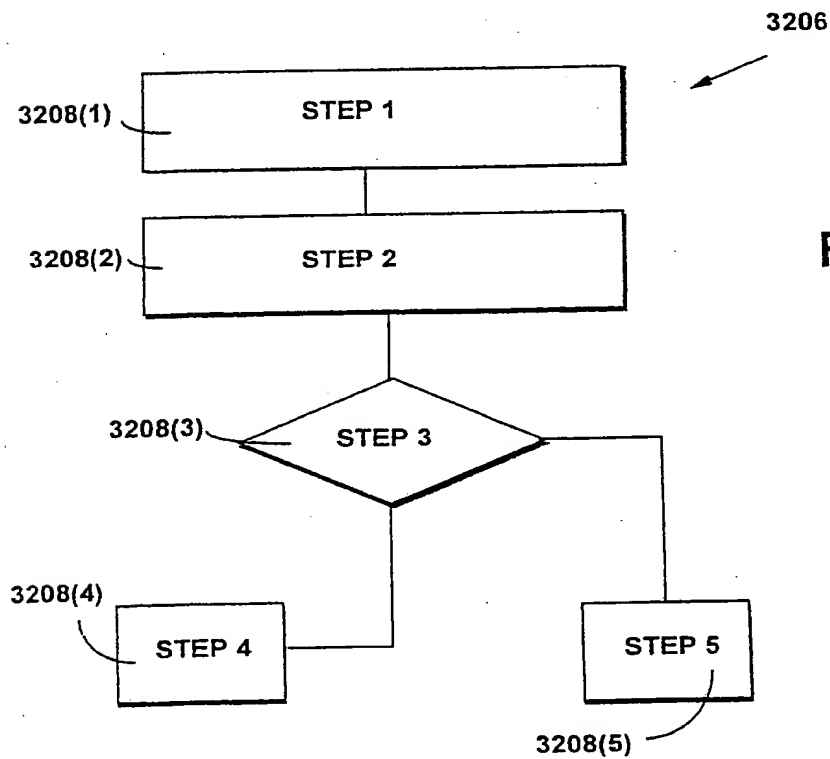


FIG. 75F



FIG. 76A

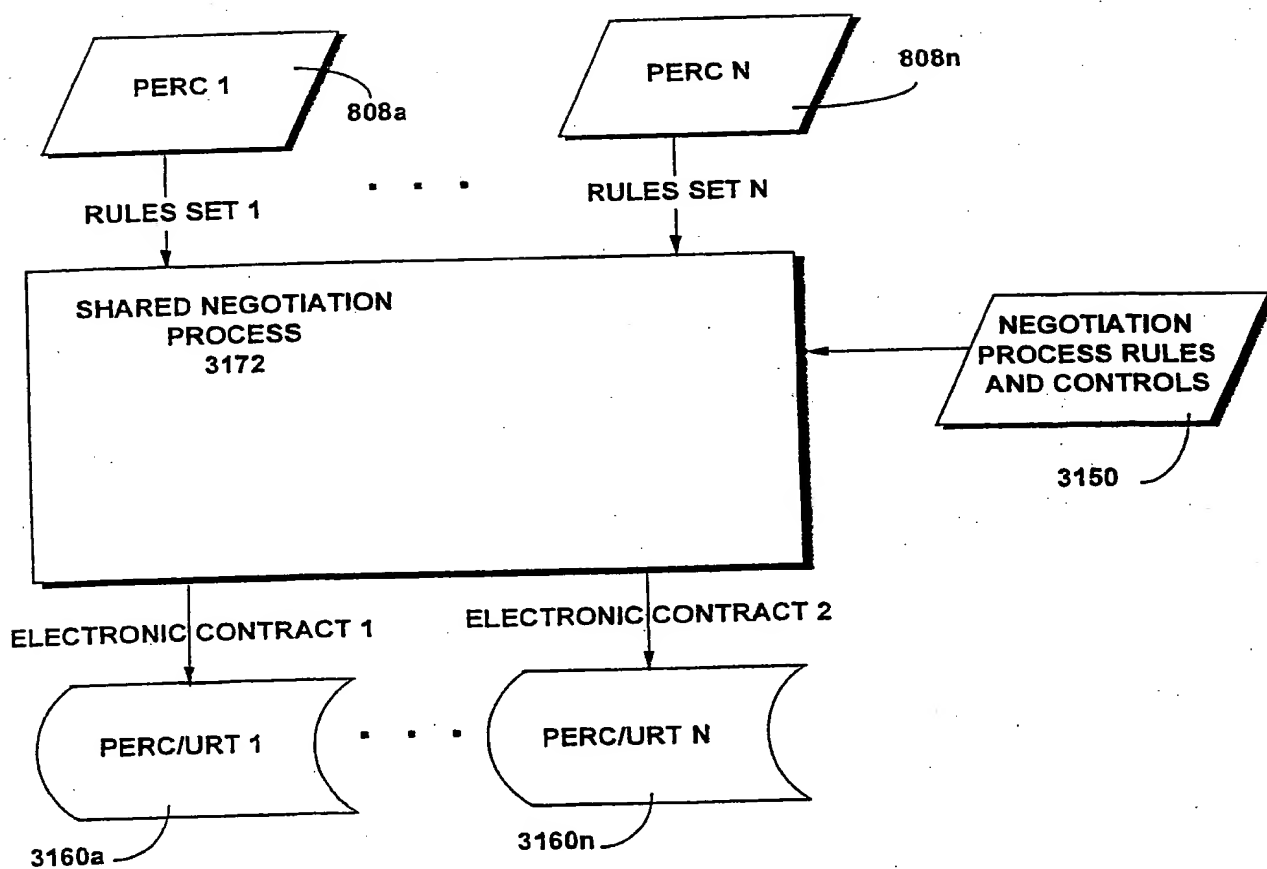


FIG. 76B

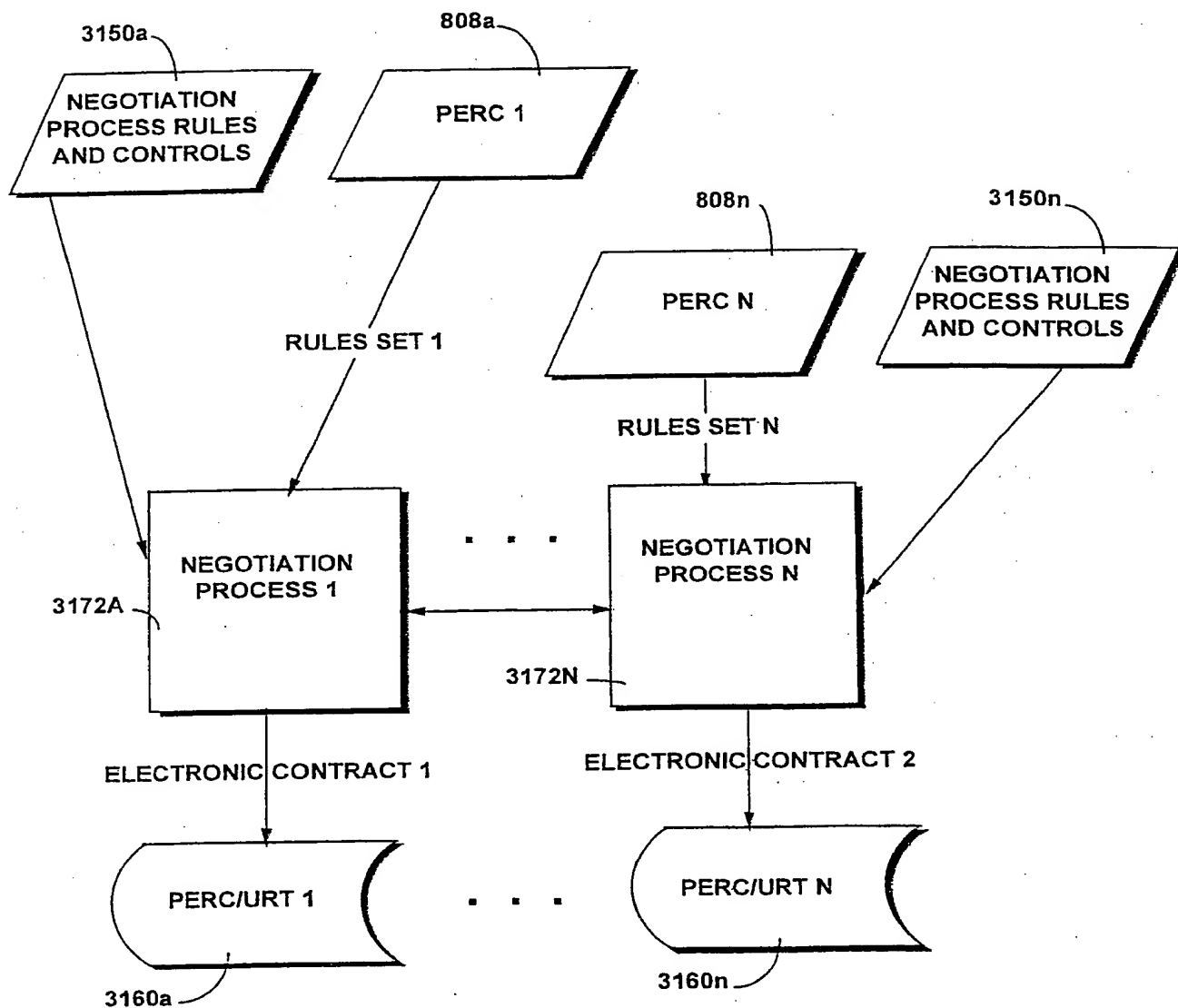
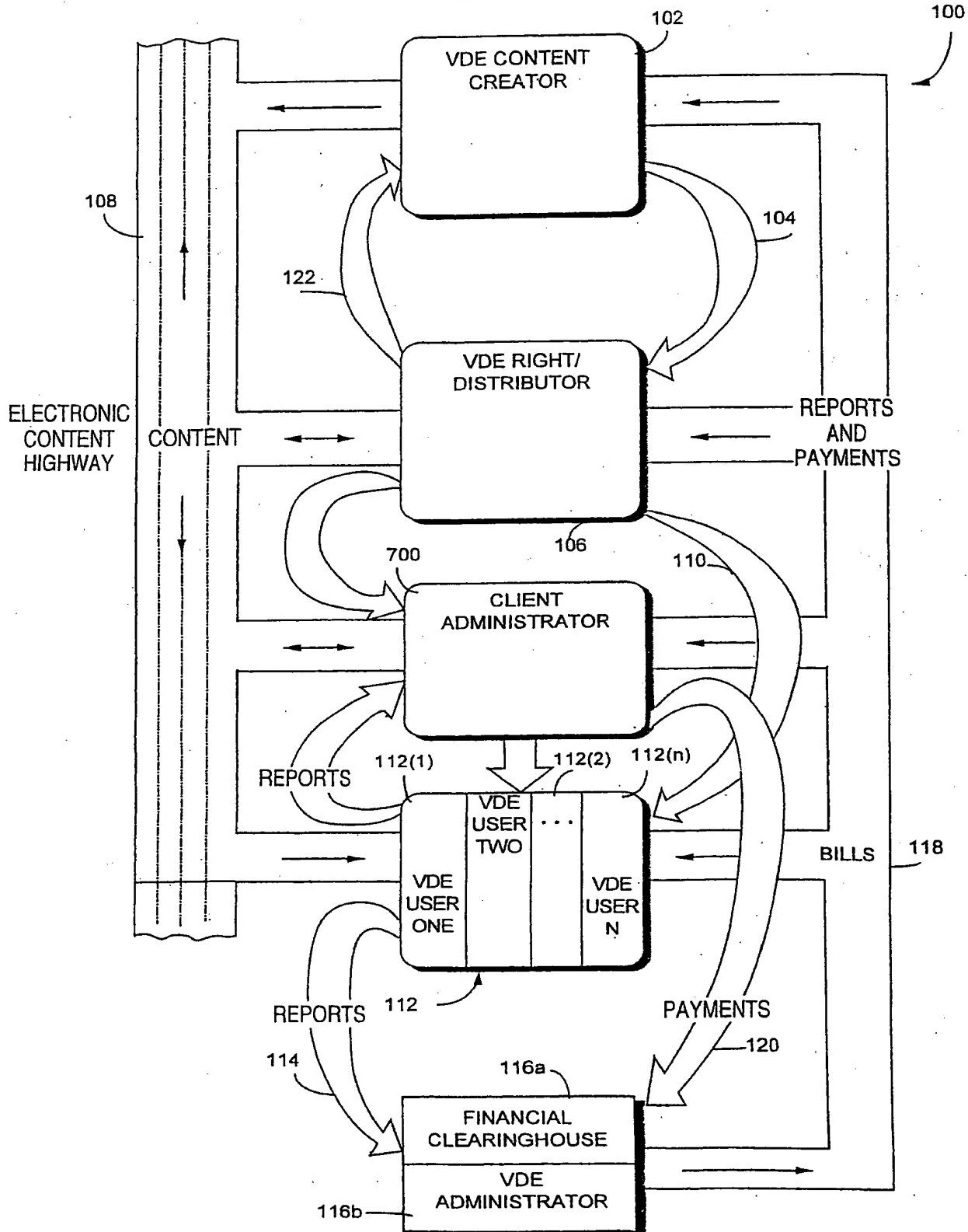


FIG. 77



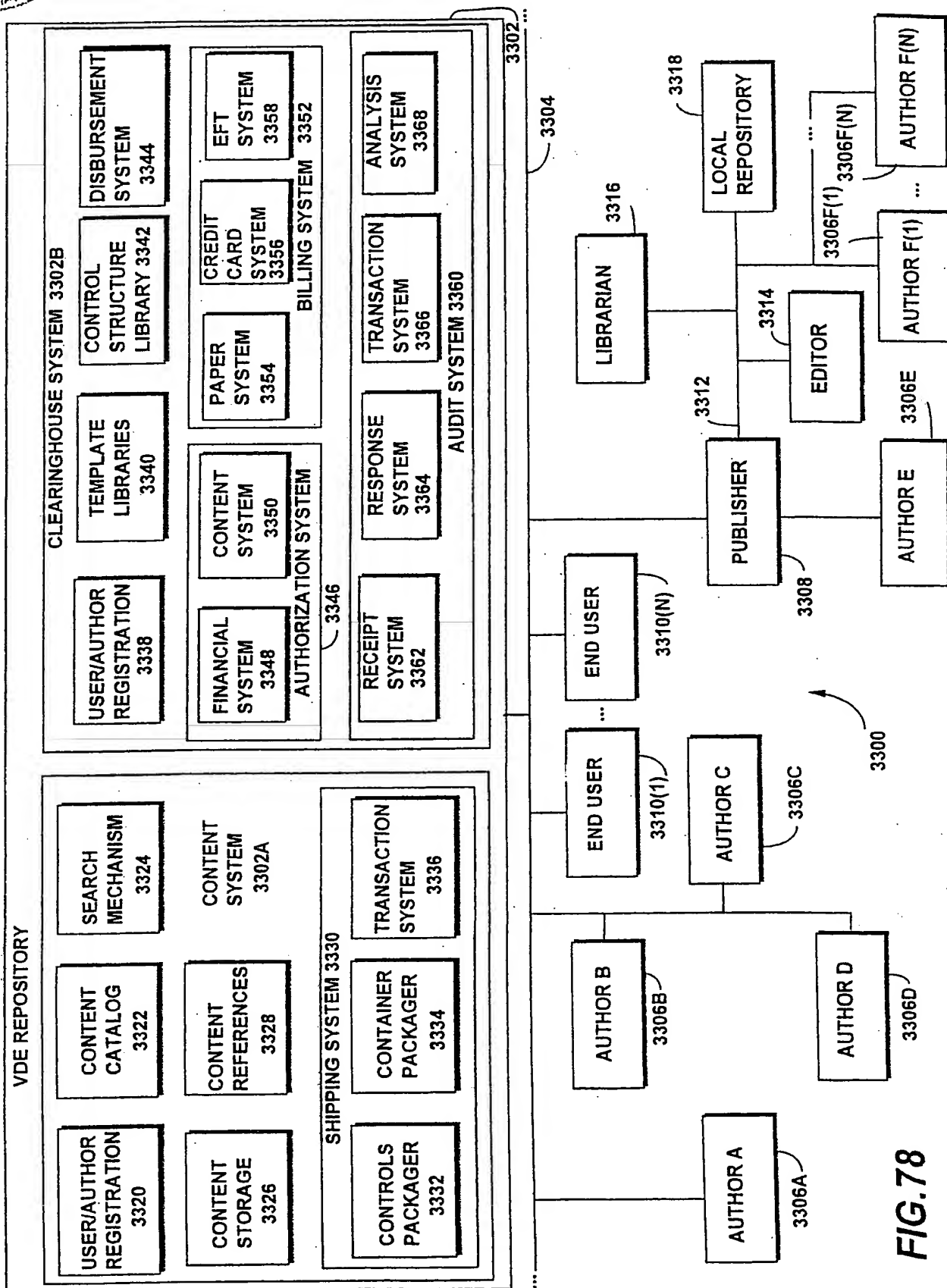


FIG. 78

FIG. 79

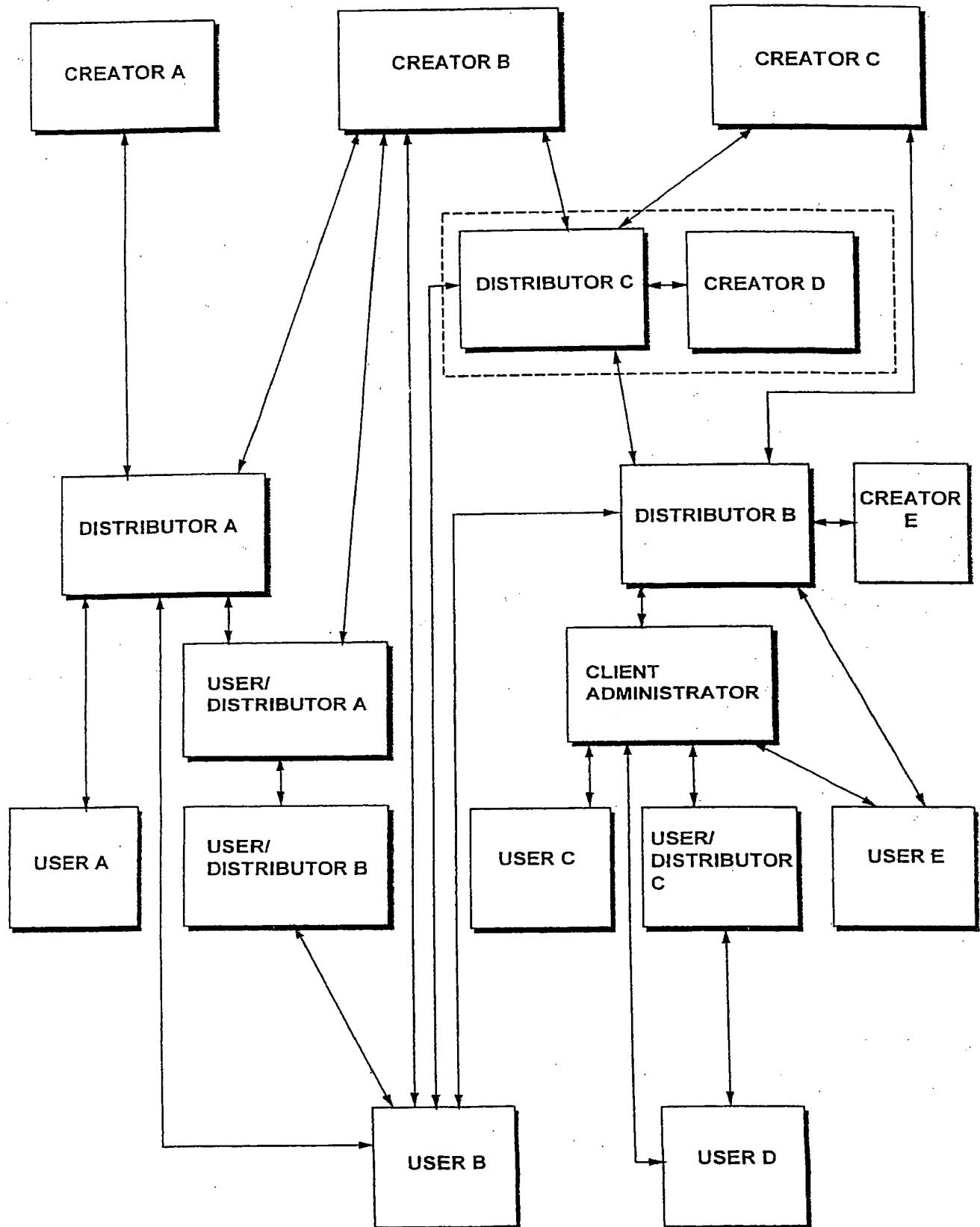
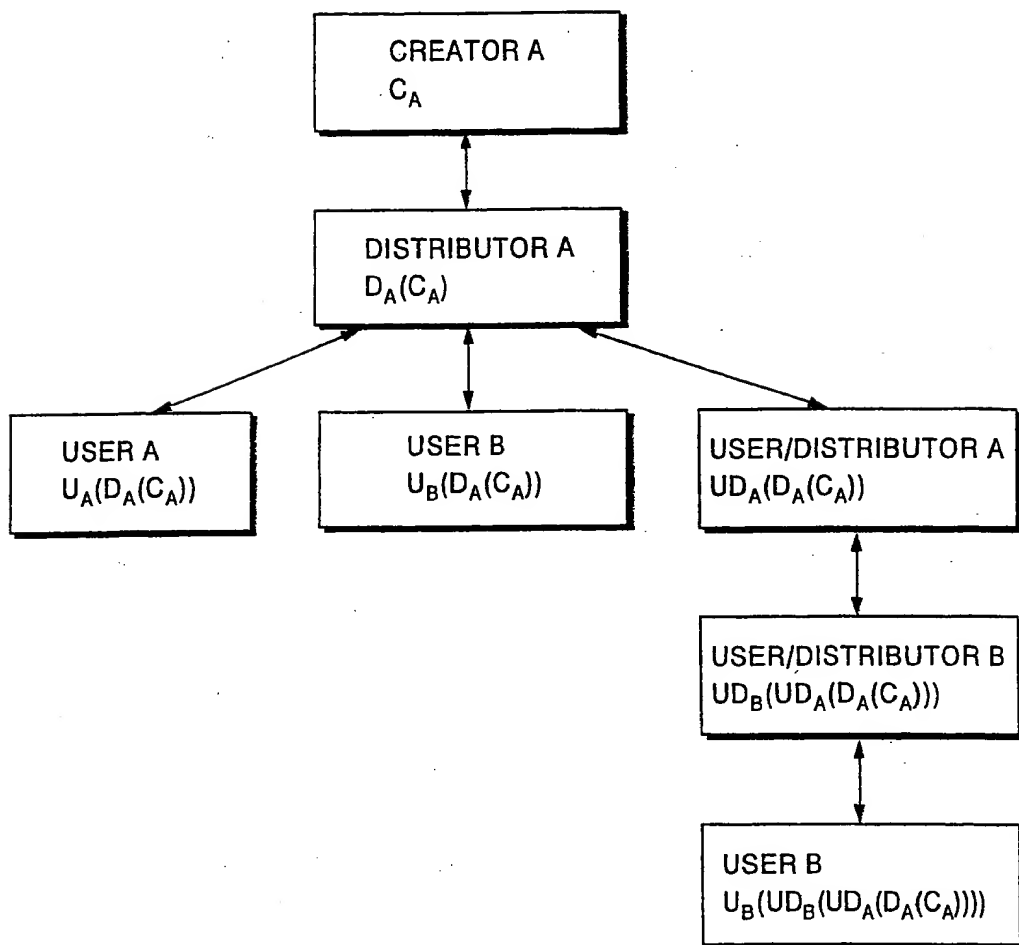




FIG. 80



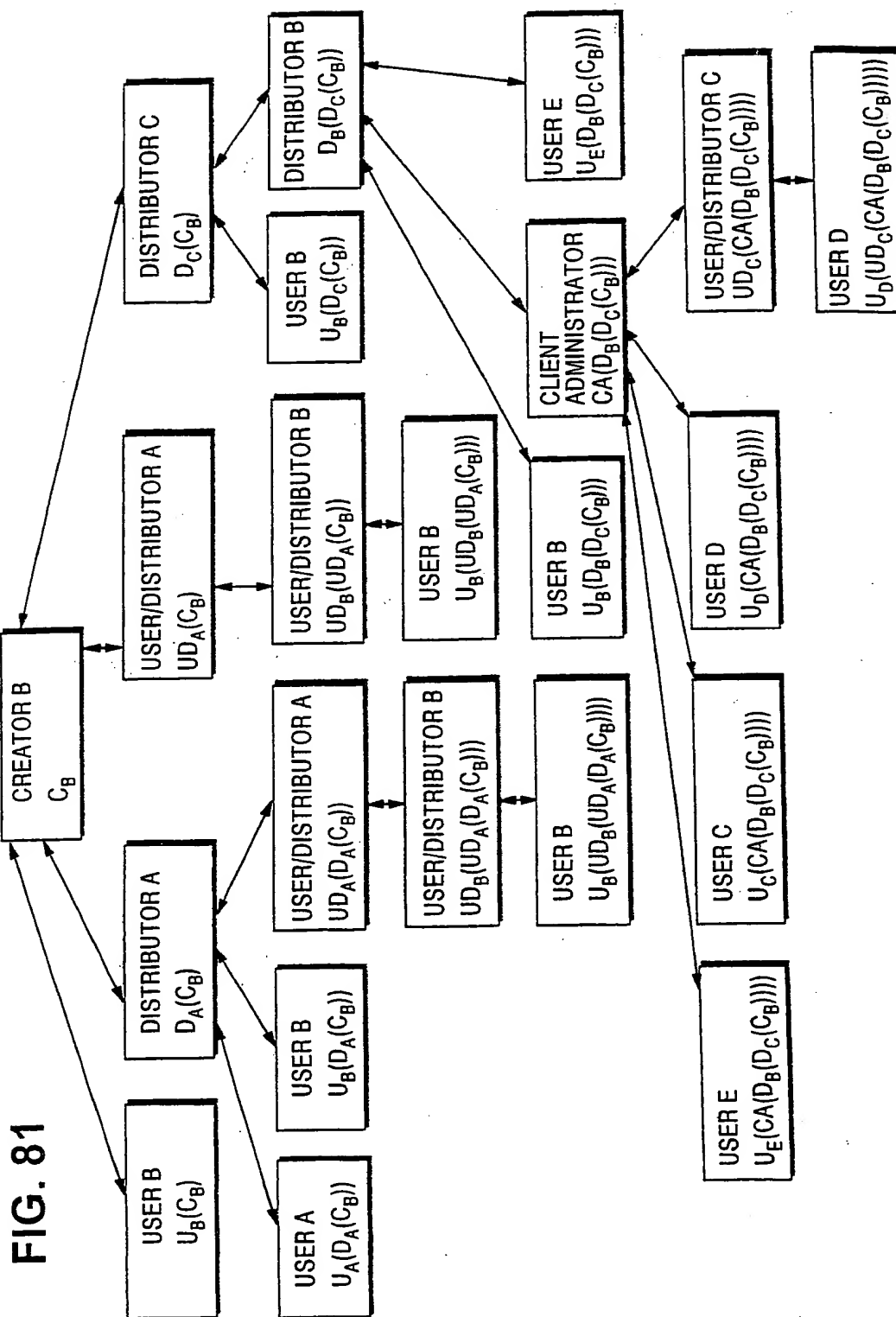


FIG. 82

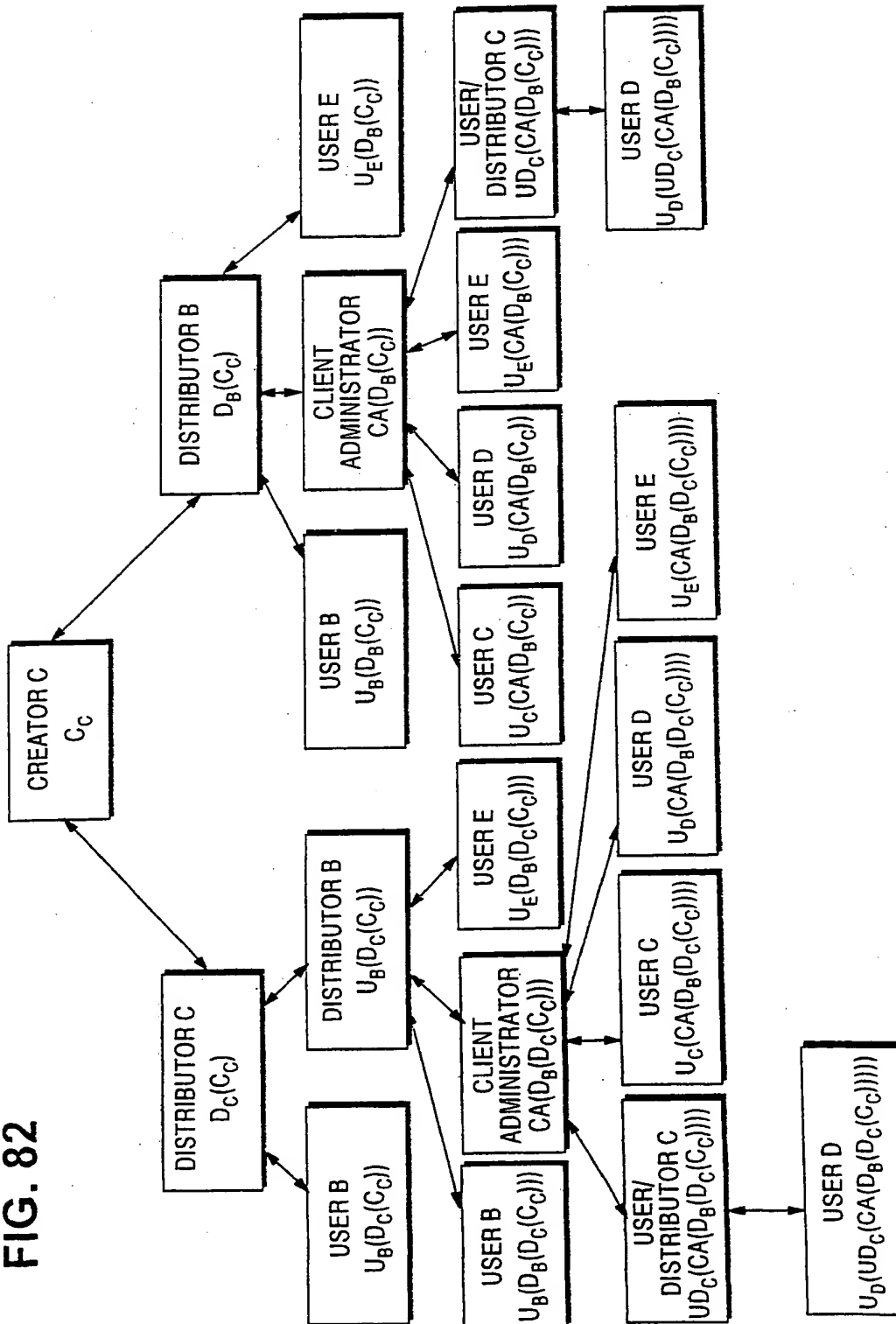


FIG. 83

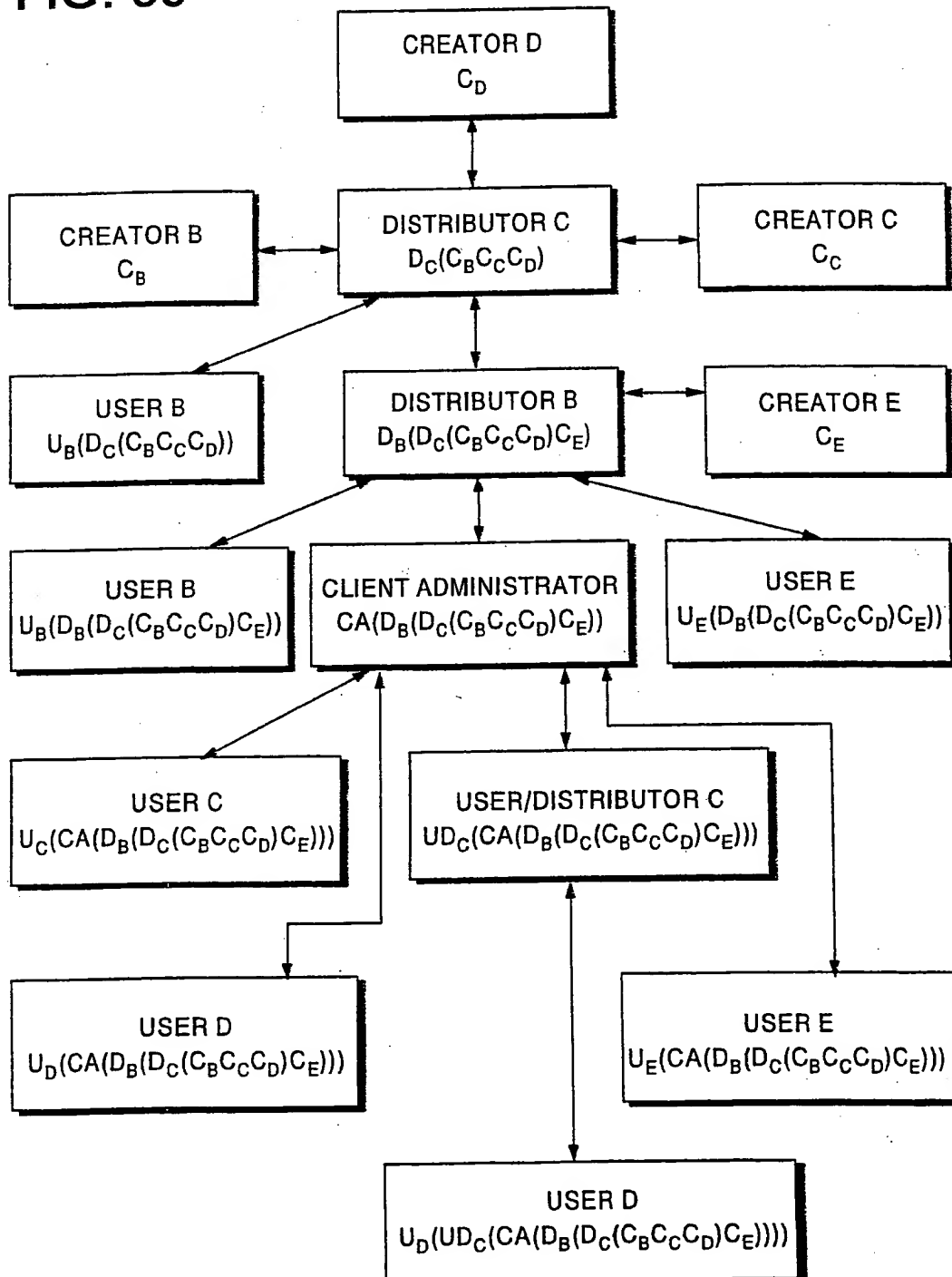


FIG. 84

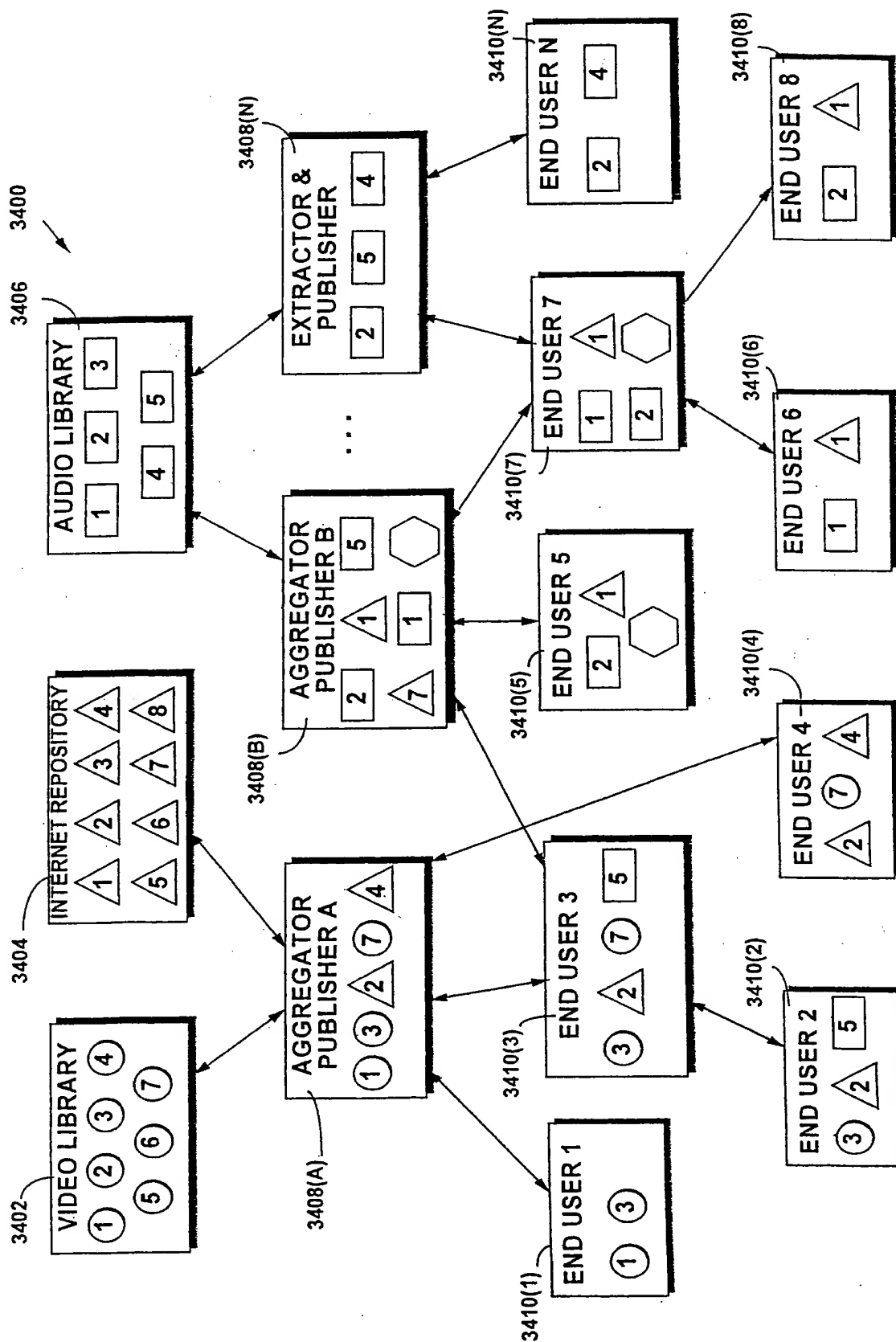


FIG. 85

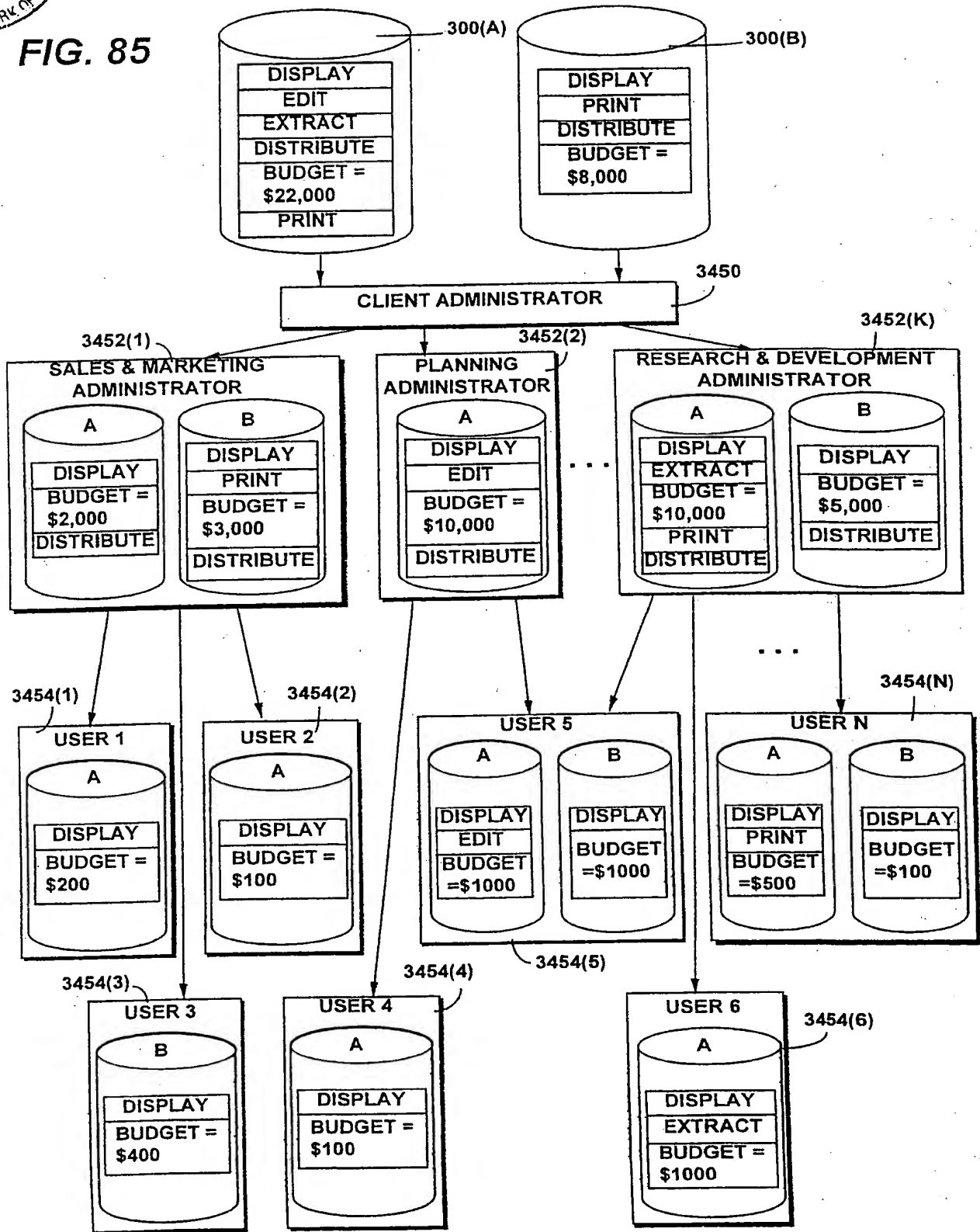




FIG. 86

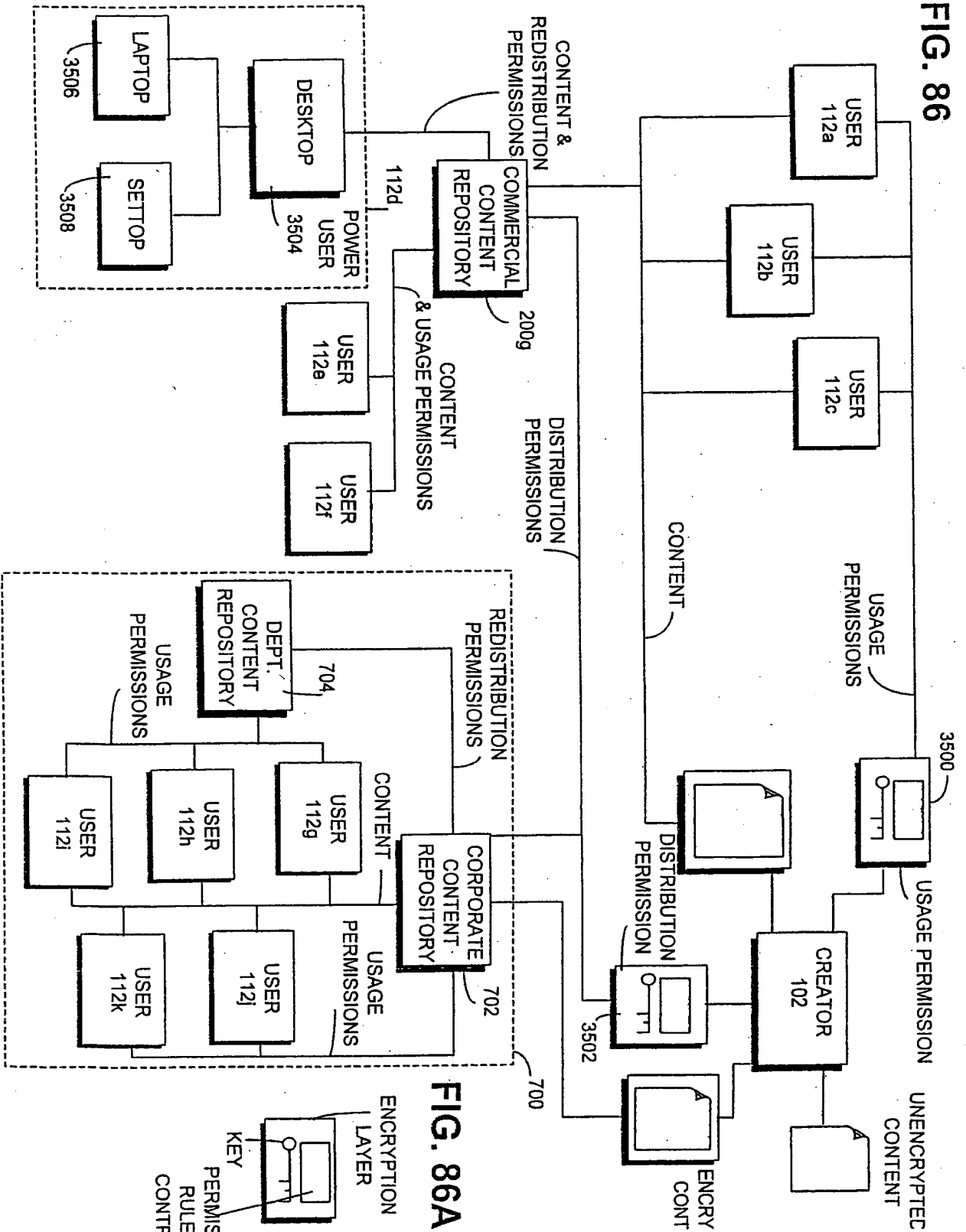


FIG. 86A

